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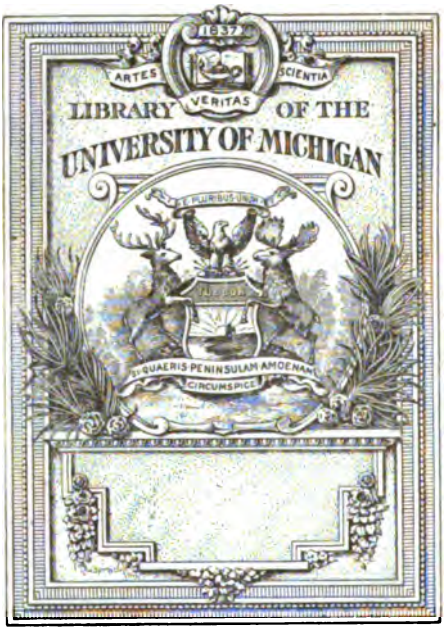

THE GIFT OF

City Clerk

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ANNUAL REPORTS

OF THE

DEPARTMENTS OF GOVERNMENT

OF THE

City of Cleveland

FOR THE

YEAR ENDING DECEMBER 31, 1889,

TOGETHER WITH THE

MESSAGE OF THE MAYOR.

CLEVELAND, O.:
THE CLEVELAND PRINTING & PUBLISHING CO.
1890.

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1890-91.

CITY GOVERNMENT

OF THE

CITY OF CLEVELAND.

MAYOR,
HON. GEO. W. GARDNER.

CITY SOLICITOR,
ALLAN T. BRINSMADE.

CITY COMPTROLLER,
WM. J. GLEASON.

CITY CLERK,
HOWARD H. BURGESS.

CITY TREASURER,
E. H. BOURNE.

CIVIL ENGINEER,
CYRUS G. FORCE.

STREET COMMISSIONER,
J. C. SIEGRIST.

CITY COUNCIL.

1890-91.

OFFICERS.

FRANK O. SPENCER,

President City Council.

KAUFMAN HAYS,

Vice President City Council.

HOWARD H. BURGESS,

Clerk.

JOHN C. DELAMATER, CHARLES F. LEACH,

JOHN J. DALTON,

Assistant Clerks.

ANDREW J. BARNES,

Sergeant-at-Arms.

EDWARD MANNING,

Page.

MEMBERS EX OFFICIO.

GEO. W. GARDNER . . . . . Mayor.

WM. J. GLEASON . . . . . Comptroller.

ALLAN T. BRINSMADE . . . . . Solicitor.

CYRUS G. FORCE . . . . . Engineer.

MEMBERS CITY COUNCIL.

1890-91.

Wards.	Names.	Residence.	Place of Business.
1	B. W. Jackson	42 Eagle St	606 Ontario St.
2	E. E. Beeman	485 Superior St	145 Seneca St.
3	T. N. Fisher	20 Mandrake St	106 Euclid Ave.
4	T. H. Atkinson	"The Kenyon"	The Arcade.
5	C. J. Engel	339 Hamilton St	339 Hamilton St.
6	John T. Flynn	95 Phelps St	Valley R'y Freight House.
7	F. J. Douttiel	162 Lyman St	162 Lyman St.
8	D. C. Burns	647 Hamilton St	Y'd Mstr. C. & P. Ry.
9	J. C. Farnfield	78 Hoadley St	973 Superior St.
10	W. E. Cubben	135 Ohio St	Enterprise Oil Co.
11	Kaufman Hays	299 Woodland Ave	137 Bank St.
12	C. A. Davidson	106 Cedar Ave	91 Scranton Ave.
13	John E. Thomas	120 Greenwood St	120 Greenwood St.
14	Robert F. Jones	377 Sibley St	The Arcade.
15	John I. Nunn	521 Woodland Ave	521 Woodland Ave.
16	Isadore Kuttnauer	394 Woodland Ave	394 Woodland Ave.
17	Frank Hesoun, Jr	11 Burwell St	138 Water St.
18	E. S. Allen	136 White Ave	186 Bank St.
19	J. T. Logue	1648 Hough Ave	City Hall.
20	F. O. Spencer	1253 Euclid Ave	236 Superior St.
21	Theo. M. Bates	51 Mayfield St	31 Public Square.
22	J. A. Robinson	33 Ocean St	52 Public Square.
23	Wm. F. Tausch	430 Lincoln Ave	430 Lincoln Ave.
24	John Havlicek	3 Victor St	3 Victor St.
25	Chas. F. Schmidt	342 Tod St	1647 Broadway.
26	M. J. Herbert	1749 Harvard St	5 Euclid Ave.
27	E. W. Poole	287 Miles Ave	2588 Broadway.
28	Owen S. Gannon	82 Pearl St	250 Detroit St.
29	F. M. Sheedy	210 Detroit St	210 Detroit St.
30	Edw. Simpson	672 Detroit St	Cleveland Ship Bldg. Co.
31	U. B. Hird	142 Taylor St	142 Taylor St.
32	H. B. Hannum	372 Franklin Ave	155 Seneca St.
33	Tyler W. Brainard	108 Whitman St	518 Pearl St.
34	John F. Sweeny	435 Lorain St	435 Lorain St.
35	Wm. A. Spilker	102 York St	41-45 Merwin St.
36	F. V. Faulhaber	363 Dare St	Room 1, 483 Pearl St.
37	J. P. Culliten	76 University St	Standard Oil Co.
38	J. A. Smith	277 Jennings Ave	Society for Savings Bldg.
39	W. T. Latimer	634 Clark Ave	98-99 Kendall Bl'k.
40	Frank Turek	32 Bergen St	32 Bergen St.

STANDING COMMITTEES—CITY COUNCIL.

1890-91.

Appropriations	Hannum, Jackson, Hesoun.
Bathing and Bathing Houses	Engel, Fisher, Faulhaber.
Breakwater	Flynn, Kuttnauer, Hird.
Carriages and Express Wagons	Hird, Culliten, Sweeny.
City Farm School	Beeman, Poole, Thomas.
Claims	Havlicek, Brainard, Faulhaber.
City Property	Herbert, Hannum, Turek.
Department Examinations	Jones, Hays, Robinson.
Elections	Smith, Allen, Nunn.
Finance	Hays, Allen, Jones.
Fire and Water	Thomas, Bates, Kuttnauer.
Harbors and Wharves	Engel, Simpson, Sweeny.
House of Refuge and Correction	Beeman, Davidson, Gannon.
Health and Cleanliness	Nunn, Jones, Beeman.
Infirmary	Poole, Simpson, Latimer.
Judiciary	Smith, Bates, Logue.
Licenses	Gannon, Hird, Kuttnauer.
Lighting	Allen, Engel, Havlicek.
Labor	Hesoun, Schmidt, Thomas.
Markets	Jackson, Cubben, Turek.
Military	Simpson, Farnfield, Tausch.
Ordinances	Logue, Jackson, Robinson.
Parks and Public Grounds	Fisher, Havlicek, Sweeny.
Police	Burns, Tausch, Gannon.
Printing	Brainard, Poole, Herbert.
Public Buildings	Cubben, Atkinson, Herbert.
Public Offices and Officers	Burns, Atkinson, Douttiel.
Railroads	Douttiel, Davidson, Flynn.
Rules	Bates, Hays, and the President.
Sewers and Sewerage	Farnfield, Sheedy, Culliten.
Schools	Nunn, Cubben, Schmidt.
Streets	Atkinson, Jones, Latimer.
Street Railroads	Farnfield, Burns, Hesoun.
Taxes and Assessments	Davidson, Hannum, Fisher.
Viaduct and Canal Lands	Spilker, Sheedy, Faulhaber.
Water Works	Turek, Spilker, Schmidt.

Mayor Gardner's Message.

Mr. President and Gentlemen of the City Council:

I appear before you in accordance with custom, but shall not detain you with extended remarks. In presenting an annual message it has been usual to refer copiously in connection with municipal affairs, and with suggestions, but the rule has been with those to whom it has been delivered to make but little application, so that the suggestions have gone for naught. I therefore deem it best at this time to speak only upon a few subjects, that may seem to you worthy of your consideration, preferring mainly to communicate recommendations at such times in the future as matters of material importance to the welfare of the people may arise and give cause.

From the annual reports of the different departments now ready for your possession and perusal, to which I call your close attention, you will have statistics concerning the condition of affairs, from which you will doubtless derive plenty of material for reflection, and suggestions for guidance in action.

The Auditor's department has provided, and there has been placed on the desk of each member of the City Council, very complete information relative to the usual manner of preliminary procedure, and showing the form of legislation necessary in creating certain character of improvements.

This has been prepared to avoid delay in improvements partially acted upon by the preceding Council, and in others that have been contemplated.

That certain streets may be repaved for which municipal action has been taken, and in order that the city may be in position to pay its part of the cost, our delegation at Columbus have a bill authorizing a levy of one mill additional to the tax levy of 1891, for that purpose. The Sinking Fund Commissioners have agreed to advance an amount equal to that produced by this additional levy, the sum to be returned to them upon its collection.

There should be no delay in action required to secure completion of this necessary work. A large number of other streets have been recommended to be paved by the Board of Improvements, and as a prompt payment for cost of same might cause great inconvenience if not hardship to many abutting property owners, the suggestion is that the credit of the city be loaned, so as to extend the time of payments by individuals to periods running several years.

There is no doubt but that good judgment will suggest the paving of all down town streets and alleys not now paved, and of many others in close proximity, and that if so improved a large saving in the annual expense now required to keep these streets and alleys in any sort of respectable condition would be made adding largely to comfort and improved sanitary condition; I trust the Council will urge and take such action as will provide this desirable and general improvement.

Reference to legislation by former Councils will show adoption of many resolutions and ordinances calling for "rounding up the roadway and cleaning gutters," and to "grade, curb, and improve," certain streets. To the thoughtful mind, a suggestion might come that a frequent repetition of this character of work would result in the ex-

penditure of a large amount of money with no compensating returns; for such work is only of transient benefit, and being only temporary is expensive because frequently called for. Better save the cost of such improvements and apply it to something of more permanent and beneficial character, and that is a good pavement at the outset, better every way and probably in the end cheaper than the constant work of "rounding up the roadway and cleaning gutters."

A number of our most prominent and intelligent citizens, with Engineer Rice as the prime suggestor, have given valuable time, intelligent thought, and scientific research, in an effort to improve our general sewerage system, and in such manner as to least affect or endanger the purity of the lake water which is used for domestic purposes. In this very important work, which has been conducted at a trifling expense so far, such financial and other aid required for a continuance to the end should be promptly provided by the Council.

With the recent purchase by the city of land for a so-called city farm school intended as a reformatory for boys who are incorrigible or who commit penal offenses, comes occasion to determine by wise counsel and the benefit of experience gained in similar institutions, the best form for arrangement of accommodation and for conduct; this should be first settled and then should follow the necessary legislation to accomplish desired results. I trust the Council will give due and careful consideration to the project that has so much to do with the weal or woe of many a poor boy who may have neither home, friends, nor opportunities unless he finds the necessary aids to the formation of a good character in our city farm school.

The attention of the Council is called to a proposition recently made by a number of well-known surgeons and physicians to organize a medical board guaranteeing competent and ample professional service for the City Hospital and Infirmary free of all expense to the city.

With the always large number of inmates at the Infirmary requiring such professional service it would seem but an act of humanity, even if there were no other valuable considerations, to accept such an offer. I desire also to call your attention to the importance of requiring the superintendent of the Infirmary to reside on the premises; an institution of such character and magnitude should have its active manager always with it. The Council, by ordinance, has permitted the superintendent to reside several miles from the institution. That ordinance should be repealed.

During some years past there has accumulated from changes in location of posts, and character of street lights, a very large number of street lanterns, which are now stored in the basement of the City Hall building. It is possible many or all of these could be utilized for street lighting purposes now, in lieu of purchasing new stock, thereby saving quite an item of expense.

Attempts have been made to enforce regulations in running of telephone, telegraph, lighting and motor electric service wires, with indifferent or usually unsuccessful results. With the service of wire in high electrical tension come constantly menacing dangers, and some action by the Council should be taken that will bring a system and safety. I suggest the creation of authority to control and direct by the passage of an ordinance.

In connection with the call that has been made for estimates of departmental and other current expenses of the city government for 1891, I submit, if it would not be a check on uncalled for suggestions to expend and unnecessary expenditure, if the Council would require such estimates from each department to be made by items, which, from experiences of the past, can as well be done, instead of in lump or in gross amount, and that when appropriations are made by the Council that they be made to each respective department by

items; also that the Auditor and secretaries of these departments be required to keep their accounts of funds as allowed by the Council by items. My personal experience in department service leads me to believe that if this action is insisted upon there will be the most economical results.

There are other matters of interest, especially to those who have for the first time assumed the municipal yoke, that might be alluded to, but, with a number of the Council who have had municipal experience, with the prominent and more important committees composed of the most intelligent and practical element in the whole body, with thoughtful inquiry on the part of every member that intelligent action may be had, and so that economy without a niggardly annex may be assured, with a knowledge that we have been elected by the people to legislate and execute solely and wholly for them, and finally with a determination that there shall be no other combine or clique, but the "click" of honest effort controlling our action to protect these mud-sprinkled, injunction-served, porous plaster-covered people from fraud and imposition, we may safely count on securing the approbation of our fellow citizens.

In closing, I desire to publicly express my thanks to all the public officials for their uniform kindly courtesy that has been accorded to me, and assure this honorable Council of my earnest wish for a hearty co-operation in our efforts to do good and serve well the entire community.

Most respectfully yours,

GEORGE W. GARDNER,

Mayor.

REPORTS

OF

BOARDS, DEPARTMENTS,

AND

CITY OFFICERS.

Report of Health Department.

CLEVELAND, O., January 11th, 1890.

To the Honorable City Council:

GENTLEMEN:—The Board of Health herewith respectfully submits to you its Seventeenth Annual Report, being for the year 1889.

Respectfully,

W. E. CRAIG,

Secretary.

By order of the Board.

OFFICERS.

GEO. W. GARDNER,
Mayor, and President of Board.

G. C. ASHMUN, M. D.,
Health Officer.

W. E. CRAIG,
Secretary.

THOMAS SMITH,
Inspector of Plumbing and Sewers.

JOS. MELLOR, M. D.,
Inspector of Milk.

MEMBERS OF THE BOARD.

	Term Expires.
FELIX ROSENBERG, ESQ.	1890.
J. PERRIER, M. D.	1890.
H. W. S. WOOD, ESQ.	1891.
B. W. HOLLIDAY, M. D.	1891.
CHAS. O. EVARTS, ESQ.	1892.
F. L. THOMPSON, M. D.	1892.

STANDING COMMITTEES FOR 1889-90.

RULES AND REGULATIONS—Wood, Rosenberg, Evarts.
MEN AND DISCIPLINE—Rosenberg, Holliday, Perrier.
FINANCE AND ACCOUNTS—Evarts, Wood, Thompson.
PEST HOUSE AND PRISONS—Thompson, Wood, Perrier.
PUBLIC BUILDINGS, HOSPITALS AND SEWERS—Perrier, Holliday, Rosenberg.
SANITARY AFFAIRS—Holliday, Thompson, Evarts.

SANITARY POLICE.

PATROLMEN.	DISTRICTS.
C. C. RAND,	Sergeant.
H. F. BEAKEL,	Wards 24, 27.
A. G. JONES,	Assisting Sewer Inspector.
J. W. DWYER,	Wards 1, 10, 11.
J. MCLAREN,	Assisting Sewer Inspector.
F. SCHNAUFFER,	Wards 2, 3, 4, 5.
T. W. BROWN,	Wards 12, 13, 14, 15, 16, 17.
F. E. NEWCOMB,	Wards 20, 21, 22, 23.
E. W. REDINGER,	Wards 35, 39.
C. A. ROBERTSON,	Wards 32, 36, 40.
A. J. EYNON,	Wards 18, 19.
J. W. POLCAR,	Wards 25, 26.
A. T. ARMSTRONG,	Wards 28, 29, 30.
L. W. WHITMAN,	Wards 31, 33, 34.
W. A. KELLEY,	Assisting Sewer Inspector.
J. J. RYAN,	Assisting Sewer Inspector.
C. H. STEARNS,	Wards 37, 38.
G. C. MORRIS,	Wards 6, 7, 8, 9.

DISTRICT PHYSICIANS.

RULE V.—DUTIES OF DISTRICT PHYSICIANS.

SECTION 4.—It shall be the duty of the District Physicians to keep regular office hours, in their respective offices, (which offices shall be in their respective Districts,) for the purpose of treating the poor—from 9 to 10 a. m. and 3 to 4 p. m.

DISTRICT PHYSICIANS.

Dist. No. 1—DR. WM. STEPHENS, Wards 1, 10, 11, 12, 13, 14, 15.
Dist. No. 2—DR. P. A. COLE, Wards 2, 3, 4, 5.
Dist. No. 3—DR. J. S. CAMPBELL, Wards 6, 8, 9.
Dist. No. 4—DR. R. G. MCTAGGART, Wards 28, 29, 30, 34.
Dist. No. 5—DR. W. T. KIMBERLEY and DR. STEDMAN, Wards 31, 32, 33, 35, 36.
Dist. No. 6—DR. T. S. STACK, Wards 37, 38, 39, 40.
Dist. No. 7—DR. E. P. HAWLEY, Wards 24, 25.
Dist. No. 8—DR. G. H. SOMERVILLE, Wards 26, 27.
Dist. No. 9—DR. J. CRAFT, Wards 20, 21.
Dist. No. 10—DR. LOUIS UMBSTAETTER, Wards 22, 23.
Dist. No. 11—DR. WM. DAUS, JR., Wards 7, 18, 19.
Dist. No. 12—DR. CLARK TOWNSEND, Wards 16, 17.

SMALL-POX HOSPITAL.

CHAS. KOHLMAN, ... Steward.
CATHERINE KOHLMAN, ... Matron.

Report of the Health Officer.

To the Honorable Board of Health:

GENTLEMEN:—In presenting the annual statement of vital statistics, and objects of sanitary effort connected with this department for the year, it is proper to note the principal subjects of interest which have occupied the attention of the Board. First in importance, as in all systematic business operations, has been the maintenance of the daily watchfulness and helpfulness of an organized working corps. The routine of daily life and business affairs in our cities implies a constant need that care shall be exercised lest bad sanitary conditions become established unawares. And it is only by an equally constant vigilance, exercised for the one object and end to preserve the sentiment and conditions of health, that the daily or yearly status can be improved or maintained. For this reason, the most essential factor in department work is the *personnel* of its working force and faithfulness in applying regulations for the benefit of those interested.

ICE PONDS.

As a matter of record, the Winter of 1888-89 being mild, few of the ice ponds within the city, for which "permits" were granted in December, came into use until February and March. Most of the ice producers, wishing to use ponds within the city, readily acceded to the requirements of the Board, that none of the ice taken from such ponds should be permitted to come into contact with food or drink substances, or be used for "domestic" purposes. Two of them, how-

ever, resolved to make a test of the authority of the Board. One refusing to ask for a "permit" to establish a pond; the other, when refused a "permit," concluded to disregard the action of the Board. Both were promptly arrested, and their cases were continued in the police court, from time to time, but up to the present time have never been heard fully, either upon the points of law or fact involved. This delay in the preparation and hearing of important cases in our police court is a source of much annoyance, but there appears no remedy at present.

During this time of delay, proceedings were commenced by the City Council, to appropriate land sixty feet in width for street purposes along the valley of Walworth Run, (from Scranton to Gordon Ave.,) on which were situated the ponds in contest. The construction of such a street would prevent the farther use of this portion of the stream for ponds of any kind. These proceedings in appropriation have been carried forward in the Probate Court, and have included a patient and full inquiry into the action of Boards of Health of the city for the last thirty years, in respect to Walworth Run and the ponds formed from its waters. This inquiry included the sources of present and past impurities escaping into the stream, and to what extent the city contributed or failed to prevent such escape, and to what extent the natural drainage of a large area, thickly populated, would inevitably cause sufficient impurity of the water in that stream to impair, or even destroy the commercial value of ice taken from those ponds. After a long searching of records, and after exciting opinions of present and former members of the Board of Health, and others, as to the effect upon ice and dangers in the use of ice formed from such impure water, the jury awarded no amount for the ice privileges in these ponds. And the court in his charge to the jury gave the fullest support to Board of Health powers when exercised in strict conformance to the statutes.

Furthermore, he stated that, when in the growth of a city such ponds of necessity became unfit for the production of ice, to be used in channels, where, either by sedimentary deposits or bacterial and other ingredients, dangers to life and health were incurred, the private

interest must give way to public welfare. But, in so far as the city itself had contributed, or failed to prevent injury to private interests, in matters under its control, the city could not claim and acquire property on a depreciated valuation for which it was responsible. It is a cause for much hope that proceedings for the improvement of this long continued nuisance, offensive, dangerous, and damaging to the city in every way, have at last reached a stage where something effective will soon be done.

KEEPING OF COWS.

Another somewhat important step in the sanitary affairs of the city has been taken by the City Council during the year, after long complaint and much discussion, and that was in passing the ordinance regulating the keeping of cows or other bovine animals. Many such animals have been kept in such close proximity to the places where people lived as to constitute serious annoyance. By the present ordinance a distance limit is fixed which, while it will prevent some few people from keeping cows, will relieve many from what made their homes almost valueless. No such animal is allowed to be kept within twenty-five feet from any dwelling place, and the same number of feet must be added in distance for each additional animal.

PLUMBING AND SEWERING.

Some changes have been made in the ordinance governing plumbing. The most important is the rule requiring a special test to be applied to all new material, work and fixtures. Such a rule was found to be necessary from the fact that the absence of such tests in this city led to the supply and use of material here which could not find market in places where such tests were in force. Nothing can be considered too stringent which adds security in the use of modern plumbing fixtures within dwellings. And a water or air pressure of reasonable force faithfully applied will certainly aid the detection of imperfect material and work.

In this connection, I would call attention to the recommendation of the Inspector, that a model showing proper construction in plumb-

ing work, would be of great service in demonstrating the necessity for the requirements which have been adopted. Such a model would not be expensive, and could be consulted by all parties interested in learning the reasons for our demands in regard to such work.

LOCAL ATMOSPHERE.

Attention has been attracted to the conditions of our local atmosphere, and the effects upon health, comfort, and expense of living resulting therefrom. In portions of the city buildings, clothing, food, and the persons of people are subjected to a constant envelopment by the products of imperfect combustion of bituminous coal. The effects thus produced upon paint applied to the exteriors and interiors of houses; the various fabrics for curtains, carpets, and clothing, either in use or in stock; the deprivation of sunlight with consequent slow evaporation of moisture; the irritation of skin and mucous membrane; the corrosion of metals and injury to vegetation, all impair the residence standing of our city. And when to this is added the loss in heat value, such methods in respect to such material for fuel cannot fail to be condemned as both injurious and wasteful. The claim that agitation of this subject, and the enactment of additional requirements to prevent the evil, would have a bad effect upon the business interests of the city, simply shows that such interests have not gone far enough into the subject to appreciate that profit, both to themselves and others, lies in improved methods which will mitigate if not entirely overcome the trouble. From peculiar conditions respecting humidity, cloudiness, and temperature existing along the southern border of Lakes Erie and Ontario, smoke and the various gases of combustion are less quickly dissipated and produce more harmful and annoying effects than in many parts of the country. By reason of the moisture, small masses of carbon floating in the air are caused to adhere to all surfaces, chemical combinations and concentrations are formed, and the interception of the sun's rays, in their effects upon all forms of life and the aid they give in the great natural processes of purification, are results due to the conjunction here of natural and artificial agencies. The effects of the former we can modify but not entirely control; the latter we are responsible for and can control if we will.

CAUSES OF DEATH.

In respect to causes of death during the year, the statistical tables compiled and presented by the Secretary present nothing new as compared with other years. Diphtheria, typhoid fever, croup, scarlet fever, measles, and whooping cough, have prevailed, to an extent, throughout the year and in all parts of the city. The proportion of deaths to cases cannot be accurately determined, for many cases occur which are not reported to this office. In respect to diphtheria, the ratio of deaths to "cases reported" has remained as in in other years, about one to three and a half. On some streets diphtheria has been present for weeks continuously, and very fatal in its character. This was especially marked on Herschell street, south of Marquardt street, where, owing to the conformation of surface and relation to other streets, the soil under the houses had become saturated with water more or less foul. These houses were on the hillside and had portions of their floors resting either directly upon the soil under them, or so near to it as to admit no circulation of air. Added to this condition was the use of drinking water from "wells" in the yards, which were so placed as to receive, unavoidably, impure surface water passing over and through "germ beds" in the soil near the surface. There can scarcely be a doubt that these two conditions favor if they are not entirely responsible for such outbreaks of diphtheria, and largely determine the fatality. Taking the city as a whole and all the cases, it is probable that the mortality from diphtheria is not higher here than in many other places; but much higher than should be true of any city.

A large number of cases and deaths have been reported, giving typhoid fever as the cause. The general distribution of this disease throughout the city, and through the year, leads to the conclusion that the cause or causes were widespread and continuous. Whether connected with the atmospheric, food, or water supply, there is certainly more reason to suspect the latter than either of the others, and the necessity for guarding our water supply is increased each year.

The question of successfully combating and preventing the development and spread of contagious and infectious diseases is a diffi-

cult one to meet. Our people are so impatient of restraint and unwilling to take effective measures to protect their own or other families, that little is yet accomplished by these efforts. Many physicians lend aid to their patrons, who wish neither business nor social engagements interfered with, to avoid restrictions which if faithfully observed would impose some obstacles and loss. But until life is regarded of more importance than business and pleasure, and the loss of life from diphtheria, typhoid fever, &c., as important and as preventable as the loss from cholera, yellow fever, and small pox, our community will not be free from such diseases.

Consumption and acute lung diseases have caused many deaths, but no new data respecting causes have been collected. Bad air within sleeping and living rooms stands foremost of causes known, with a strong probability that within the term "bad air" should be included some specific agents, if not specific germs.

The number of deaths reported from all causes was four thousand four hundred and fourteen (4,414), the same number as in the year 1888. This gives a death rate per thousand of estimated population (240,310), of 18.36+. The number of births reported was seven thousand six hundred and sixty-two (7,662), which exceeds the number ever before reported in one year, and also gives a higher proportion of births to deaths than ever before since our records were kept. This showing is due in part to the constantly improving returns of births made to this office. The gathering of vital statistics for the Eleventh United States Census has already commenced, and the records of this office are to be used for the enumeration in this district. And it is a gratification to know that our records have been so kept as to furnish valuable information to the general government, and our own citizens. The vault built during this year furnishes a secure place for keeping the record books and papers, and will prove a good investment.

The appearance of epidemic influenza in December has caused much depression, and probably has been the additional factor which has determined the result in many cases of ordinary disease. As observed here, it has appeared more as a general or epidemic condition

than a specific disease; and it is to be apprehended that as a result of the great depression now exhibited serious results will be shown further on.

SOMETHING NECESSARY.

A long delayed sanitary necessity remains unprovided in this city, to-wit: a satisfactory gathering of house garbage. No city of this size can be considered well taken care of which makes no public provision for this purpose. Private methods are entirely inadequate and mainly inefficient for the prompt and cleanly removal of such material. It is an old topic in these reports but must continue to be urged until some relief is obtained. Whatever disposition is finally made of the garbage, a systematic gathering should be inaugurated as speedily as possible. At present we are without funds for such service, but could money be better employed for the real welfare of our citizens?

The Inspectors of Milk, Sewering and Plumbing, and the Sanitary officers, have labored faithfully in their respective branches of department work, and the business of the department has not been permitted to fall behind, or retrograde in any known respect. There is, and perhaps always will be, large space for improvement in all our methods, but we reach out to the best attainable under present circumstances. The old cities of London, Paris, Berlin *et al.*, to which we turn for the helps of study, and experience in city building and city improvement, are still engaged in solving many of the same problems presenting here. The perfect conditions for life in large cities are difficult to obtain and retain. With sincere thanks to the members of the Board for their consideration and support in the personal and official relations of my position, and to those associated with me in carrying the work of the department forward, I am,

Yours respectfully,

G. C. ASHMUN, M. D.,

Health Officer.

Report of the Secretary.

CLEVELAND, O., Jan. 11th, 1890.

Dr. G. C. Ashmun, Health Officer:

SIR:—I respectfully submit to you this, the Seventeenth Annual Report of the Secretary of the Health Department of the City of Cleveland, being for the year ending December 31st, 1889.

The various matters herein will be found arranged in the following order, to-wit:

1st—Finances.

2d—Statistics of Birth.

3d—Mortuary Statistics.

4th—Miscellaneous Statistics.

FINANCES.

The funds of the department were obtained from the following sources:

Balance on hand Jan. 1st, 1889	$ 11,863 97
City Tax Levy	22,471 09
Permits to sell Milk	1,188 00
Licenses to slaughter Cattle and dress Poultry	1,040 00
Dead Animal Contract	750 00
Vaccine Virus	4 25
Sale of Calf	4 00
Wheat sold from Pest House farm	28 40
Total	$ 37,349 71

DISBURSEMENTS.

For General Expenses	$ 30,706 69
For maintaining Small Pox Hospital and Farm	1,343 70
Balance on hand January 1st, 1890	5,299 32
Total	$ 37,349 71

The following table will show the amounts expended by the Department each year for seventeen years, including 1889:

1873	$ 28,416 14
1874	25,056 58
1875	19,549 38
1876	16,168 65
1877	14,283 18
1878	12,493 71
1879	12,036 52
1880	12,908 95
1881	16,030 99
1882	20,329 32
1883	22,651 73
1884	24,411 07
1885	21,354 13
1886	27,206 67
1887	23,678 67
1888	28,078 82
1889	32,050 39

The general expenses for the Department were incurred as follows:

Sanitary Pay Roll, less Salary of Matron and Steward of Pest House	$ 25,991 52
Removing Swill and Garbage	2,080 00
Printing, Stationery, etc	700 15
Gas for 1889	13 60
Medicines and Drugs	300 01
Rent of Telephones	83 75
Furniture, Carpets, Papering, etc., for Office	234 38
Ambulance Hire	30 00
Instruments and Tools, Milk Inspector's Outfit	40 90
City Directory	6 00

Safe Door for Vault	126 50
Badges and Buttons	16 00
Street Car Tickets	249 00
Stamps, for use of the Department	68 00
Sundries	21 96
Printing Annual Report	133 90
Building New Vault	465 22
Analysis of Air made at Central High School	50 00
Fitting up Vault and Painting	47 15
Water Filter and putting in place	19 55
Plumbing work on New Radiator	29 10
Total	$ 30,706 69

The expense of maintaining Small-Pox Hospital and Farm may be divided as follows:

Salary of Matron and Steward	$ 660 00
Coal Bill	73 98
Rent of Telephone and care of lines	73 00
Horse Shoeing, Wagon repairs	42 90
Lumber Bill	15 34
Feed for Stock	168 15
Steward's Cash advances, as per vouchers	58 19
Harness and Repairs	22 80
Hardware	26 51
Drugs	9 83
Iron Bed-Steads	48 00
Blankets	32 40
Board Bill to C. Kohlman	24 10
Physician's Bill for Medical Attendance	60 00
Chas. Kohlman, money refunded	28 50
Total	$ 1,343 70

BIRTHS.

The subjoined Tabulated Statement of Births, in the City, during the year, is self-explanatory, and contains many interesting comparisons, notably the small proportion of native to foreign parents.

MORTUARY STATISTICS.

As will be seen by the tables given, the total number of deaths in the city during the year 1889 was 4,414, being the same number of deaths which occurred during the preceding year, and 275 more than during the year 1887.

For information regarding the cause of death, the age, color, sex, nativity and social relation of the person deceased, you are referred to the tables annexed.

TABLE I—Showing Actual Mortality.

TABLE II—Showing Weekly Report of Deaths: also age, color, sex, nativity and social relation.

TABLE III—Showing Deaths by Months, in each Ward, from the six principal Zymotic diseases, during the year 1889.

TABLE IV—Showing the Classified Causes of Death reported each week during the year 1889, also deaths by suicide; and mean Barometer, Thermometer and Humidity.

MISCELLANEOUS STATISTICS.

MILK PERMITS.

Persons who sell milk are required, under an ordinance of the City, to purchase a license therefor.

There have been issued, during the year, eleven hundred and eighty-eight of these licenses.

416	to persons	selling from	wagons.
452	"	"	stores.
258	"	"	houses.
62	"	"	markets.

SLAUGHTERING LICENSES.

During the year, one hundred and four licenses were issued to parties desiring to slaughter stock, dress poultry or render fats; for each of these licenses a fee of $10 was charged.

PERMITS TO REMOVE BODIES.

There were issued during the year two hundred and eighty-five permits to remove human bodies from this to other cities, for which no charge is made.

PRIVY VAULTS.

Permits were granted, without charge, for building nine hundred and forty privy vaults during the year, in accordance with the plans adopted by the Board.

There has been moved about 12,000 cubic yards of night soil from the city, for which a charge of $2.25 per yard was made.

Following in their respective order, you will find the report of the District Physicians, the report of the Sanitary Patrolmen, and the report of the Sewer Inspector.

The Board having contracted for the medicines used by the different District Physicians, a separate account of the amounts used by each has been kept, and the subjoined table will show the amount expended for medicine for each District Physician.

Respectfully submitted,

W. E. CRAIG, *Secretary*.

Report of Milk Inspector.

Dr. G. C. Ashmun, Health Officer:

SIR:—I have the honor to submit herewith my report as Inspector of Milk for 1889. During the year, I collected and examined samples of milk as follows:

From Producers	1,207
From Peddlers	761
From Stores	840
Total	2,808

being an increase over 1888 of 262. Of this number, 267 samples were subjected to chemical analysis, the balance being tested by the lactometer and lactoscope. Notice of impure and sophisticated milk discovered was sent to 480 persons engaged in its sale.

I would suggest that the standard of cream be fixed by the legislature, exactly defining "cream," since strippings and, in some cases, milk from Jersey stock is being sold by dishonest dealers as cream.

Action should also be taken to compel butchers, fish-dealers, grocers and milk dealers to keep their milk in ice boxes, separate from the flesh of animals, fish, poultry, game, fruit and vegetables, and to keep vessels containing milk covered with some material impermeable to dust.

The sale of imperfectly cooled or cured milk should be prohibited, and authority on the part of the officers of the Board to seize and destroy adulterated milk would undoubtedly result in benefit. All milk dealers should be compelled to cleanse their cans thoroughly by scrubbing with hot water as soon after use as practicable. Owners of wagons used for the sale of milk should be constrained to carry on each side of each wagon a sign or inscription, giving the number of milk permit.

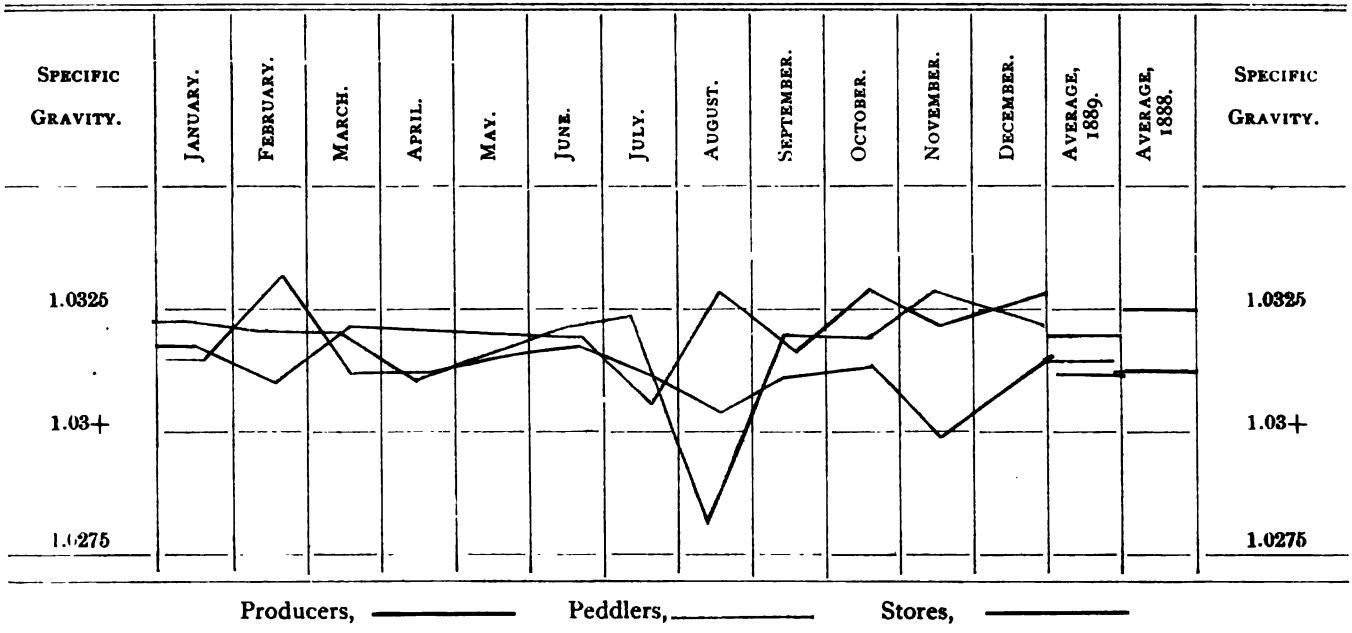
Your attention is invited to the appended graphic tables, showing the difference in quality, as between producers, peddlers and storekeepers, in all the component parts of milk, and the gradual advance toward securing for the public a better and purer article of milk.

Respectfully submitted,

JOSEPH MELLOR, M. D.,

Inspector of Milk.

TABLE OF SPECIFIC GRAVITY.



Report of the Sewer Inspector.

Dr. G. C. Ashmun, Health Officer:

SIR:—As Inspector of Plumbing and Sewers, I have the honor to present my annual report for the year ending December 31st, 1889.

That the present plumbing and house drainage ordinance has been a great benefit to the public, and has been productive of very beneficial results, no well informed person can reasonably doubt. If it is practically enforced, there can be no doubt but that a great deal of sickness is prevented, health promoted, and the public in general benefited. It is one of those ordinances which cannot be enforced by fits and starts. If one individual is allowed to disregard it, others will claim the same privilege, and the ordinance will soon become a dead letter.

Our plumbing ordinance is not a rigid one. It is far less rigid than the plumbing ordinances in other cities. It requires only what the best sanitary authorities consider indispensable. It costs the owners something, of course, to comply with its regulations, but poor plumbing and sickness on the premises would in the end cost them more.

The above are a few of the reasons why I ask you to sustain me in enforcing our rules and regulations in the future, as you have in the past.

During the past year there has been a greater number of permits granted for plumbing and sewer work than in any preceding year; and the requirements of this office being better understood by architects and builders, there has not been as much trouble as in the preceding years in having our rules and regulations complied with.

The class of work called for during the past year, taken as a whole, has been of a better kind, and the fixtures used were generally of an improved sanitary pattern.

There were issued during the past year ten hundred and forty-five (1,045) permits for plumbing in new houses; ten hundred and ninety-four (1,094) permits for plumbing in old houses, and one hundred and fifty-seven (157) permits for overhauling and repairing old plumbing; sixteen hundred and three (1,603) permits for new sewers, and thirteen hundred and twenty-four (1,324) permits for extending and repairing sewers; making a total of five thousand two hundred and twenty-three (5,223) permits issued for all purposes.

We have made numerous inspections of the plumbing in old houses, at the request of interested parties, and attended to two hundred and eighty-four (284) complaints from tenants, calling our attention to defective plumbing and sewers on premises occupied by them.

Three-hundred and twenty-five (325) plumbing jobs were found defective by the inspectors. These defects consisted of poorly caulked joints, cracked or defective soil and waste pipes, combined with poor workmanship.

The great amount of defective work found by them shows the necessity of a competent water test, as our rules and regulations now require.

On account of the great increase in the number of plumbing and sewer permits issued during the past year, and the proposed extension of the city limits, also the amended rules governing plumbing, which increases the duties of the Inspector, I feel justified in asking for more assistance in this branch of the department work for the ensuing year.

This branch of the department has been working short handed and at a disadvantage during the past year. In a number of cases, it was impossible to inspect work sent in for inspection. For instance, suppose we were notified that a dozen or more sewers (not to mention the plumbing jobs) were ready for inspection in one afternoon, with only three men at my disposal, and in the limited time thus given them to make these inspections, it is impossible for them to make as careful inspection as they should.

In conclusion, I would recommend that an explanatory device be placed in the Health Office, showing a practical system of waste and ventilation pipes. If such an apparatus was at our disposal, it would be of great advantage to us in demonstrating and convincing the most skeptical person that the ventilation of traps, soil and waste pipes were necessary to protect the health of those occupying dwellings in which plumbing work and fixtures were placed.

Hoping that my recommendations will meet with favor, I remain,

Yours respectfully,

THOMAS SMITH,

Inspector of Plumbing and Sewers.

INDEX OF STATISTICAL REPORTS.

1. Report of District Physicians for 1889, and the amount expended for Medicine in each District from January 1st to December 31st, 1889.
2. Cases of Contagious Diseases reported during 1889.
3. Births and Deaths by months.
4. Nuisances abated, by Sanitary Districts.
5. Deaths reported in Public Institutions.
6. Nativity of Decedents.
7. Table showing the number of Births each month for the year ending December 31st, 1889.
8. Actual Mortality.
9. Table showing weekly report of deaths during 1889, also giving age, color, sex, social relation and nativity of Decedents for 12 months.
10. Deaths from Zymotic Diseases, by Wards, year ending December 31st, 1889.
11. Table showing the classified Causes of Death.
12. Meteorological Summary for the year ending December 31st, 1889.

REPORT OF DISTRICT PHYSICIANS FOR 1889.

DISTRICT NO.	DISTRICT PHYSICIANS.	Cost of Medicines for 1889.	Cost of Medicines for 1888.	Prescriptions.	Visits.	No. of Patients.	NATIVITY.					
							U. S. and Canada	Germany.	Ireland.	England.	Bohemia.	Other Foreigners.
District No. 1	Dr. Wm. Stephens	$ 86 70	$ 57 46	1275	2170	644	429	37	42	47	2	87
District No. 2	Dr. P. A. Cole	29 07	44 46	522	772	398	294	16	53	25	1	9
District No. 3	Dr. J. S. Campbell	19 20	28 96	762	864	192	16	48	108	12	.....	8
District No. 4	Dr. R. G. McTaggert	30 79	47 48	789	793	471	186	39	223	7	1	15
District No. 5	Drs. W. T. Kimberley and Stedman	30 73	45 28	449	502	223	87	71	40	25	.....	.....
District No. 6	Dr. Stack	10 07	8 32	279	500	161	71	49	18	7	1	15
District No. 7	Dr. E. P. Hawley	15 79	12 55	623	487	147	25	33	12	3	60	14
District No. 8	Dr. G. H. Somerville	13 61	19 34	357	663	288	25	22	128	41	4	68
District No. 9	Dr. J. Craft	5 87	23 90	805	612	148	117	1	3	8	13	6
District No. 10	Dr. L. Umbstaetter	15 84	25 86	585	709	177	68	47	17	2	7	36
District No. 11	Dr. Wm. Daus, Jr.	5 84	11 61	196	269	93	41	33	14	3	1	1
District No. 12	Dr. Clark Townsend	7 19	.....	176	206	62	43	4	7	3	5	.....
Totals		$270 70	$325 42	6,818	8,547	3,004	1,402	400	665	183	95	259

CASES OF CONTAGIOUS DISEASES REPORTED DURING 1889.

Measles.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Small Pox.	Puerperal Fever.	Erysipelas.
874	427	1047	768	2	6	23

BIRTHS AND DEATHS BY MONTHS.

BIRTHS—1889.		DEATHS—1889.	
January	673	January	316
February	592	February	294
March	626	March	313
April	575	April	344
May	608	May	352
June	631	June	283
July	722	July	489
August	656	August	425
September	654	September	383
October	607	October	457
November	678	November	354
December	644	December	404
Total	7,666	Total	4,414

Garbage.	Pig Pens.	Dead Animals.	Slaughter Houses.
1	2	11	2
2	1	35	30
7	.....	61	.....
4	2	35	6
4	.....	56	.....
1	.....	38	8
9	.....	13	1
4	4	44	8
8	1	26	2
0	.....	70	.....
8	1	59	1
8	1	7	1
0	.....	11	1
6	12	466	60

DEATHS REPORTED IN PUBLIC INSTITUTIONS.

Year Ending December 31st, 1889.	Male.	Female.	Total.
Cleveland City Hospital	40	7	47
Charity Hospital	15	16	31
Infirmary Hospital	51	25	76
Home of Maternity	43	33	76
Homœopathic Hospital	16	21	37
Cleveland Hospital for Insane	17	8	25
Home of Good Shepherd	1	4	5
Home of Aged Poor	8	5	13
Home for Old Ladies		6	6
Trinity Church Home			
St. Alexis' Hospital	19	10	29
University Hospital	2	1	3
St. Mary's Asylum			
St. Joseph's Asylum			
Monroe Street Orphan Asylum	1	4	5
Little Sisters of the Poor			
Jewish Orphan Asylum			
Cleveland Protestant Orphan Asylum		1	1
Total	213	141	404

NATIVITY OF DECEDENTS.

Year Ending December 31, 1889.	Male.	Female.	Total.
Cleveland	1,261	1,143	2,404
Other parts of the United States	375	334	709
Germany	280	361	541
Ireland	141	151	292
Canada	12	25	37
England	94	76	170
Bohemia	52	51	103
Poland	15	7	22
Other Foreigners	75	53	128
Unknown	6	2	8
Total	2,311	2,103	4,414

5 E.

Under 20 years.
29
37
36
32
33
29
37
38
36
34
31
22
25

41. *Pneumonia and Congestion of the Lungs*.....	348	376	79	69	148	23	13	31	28	32	24	27	22	340	8	178	170	105	31	212

111. Pneumonia and Congestion of the Lungs.....	348	376	79	69	148	23	13	31	28	32	24	27	22	340	8	178	170	105	31	212
Bronchitis, Acute	85	90	51	28	74	3	1	1	1	1	1	1	2	83	2	33	52	4		81

E, COLOR, SEX, SOCIAL RELATION

	Deaths in Public Institutions.	Deaths exclusive of those in Public Institutions.	NATIVITY OF DECEDENTS.								
			Cleveland.	Other parts of the U. S.	Germany.	Ireland.	Canada.	England.	Bohemia.	Other Foreigners.	Unknown.
Jan	.....	3	14	8	3	.....	1	1	.....	.....	.....
	6	48	23	13	7	4	1	.....	1	4	1
	11	67	35	23	10	5	.....	4	.....	1	.....
	8	66	40	12	9	5	2	1	.....	5	.....
Feb	8	75	42	14	11	6	2	1	3	4	.....
	6	71	33	13	10	7	.....	5	3	6	.....
	5	61	34	10	4	4	1	6	5	2	.....
	5	71	38	13	13	7	2	1	2	.....	.....
Mar	2	73	39	14	9	8	1	3	1	.....	.....
	8	69	38	18	11	5	2	3	.....	.....	.....
	4	73	32	14	11	7	.....	7	3	3	.....
	6	70	35	17	7	9	.....	3	.....	5	.....
	5	78	34	19	14	3	2	7	2	2	.....
Apr	5	75	42	6	13	6	2	5	2	4	.....
	3	85	44	18	13	7	2	2	.....	2	.....
	10	75	48	11	11	8	.....	3	2	2	.....
	10	81	44	13	13	6	1	7	1	6	.....
May	8	59	34	12	5	6	.....	5	2	3	.....
	8	67	43	11	13	5	.....	1	2	.....	.....
	8	62	32	14	13	4	1	2	2	2	.....
	8	74	37	19	13	5	.....	3	4	1	.....
Jun	4	54	29	11	8	6	1	1	.....	2	.....
	6	67	25	19	10	9	.....	4	2	4	.....
	12	74	46	11	15	5	1	1	3	4	.....
	9	55	27	16	11	1	2	4	3	.....	.....

T COLOR, SEX, SOCIAL RELATION

WEEKS EN	Deaths in Public Institutions.	Deaths exclusive of those in Public Institutions.	NATIVITY OF DECEDENTS.								
			Cleveland.	Other parts of the U. S.	Germany.	Ireland.	Canada.	England.	Bohemia.	Other Foreigners.	Unknown.
June	28	52	34	12	6	1	.....	3	1	3	.....
July	6	60	34	13	8	3	.....	5	1	4	.....
	13	99	62	20	10	6	.....	2	3	3	.....
	20	90	67	11	2	4	1	3	2	3	.....
	27	103	74	8	12	4	.....	3	1	6	.....
August	3	107	76	10	14	5	1	3	3	2	.....
	10	120	84	12	13	7	2	5	2	4	1
	17	95	66	14	6	4	1	2	4	5	.....
	24	105	67	10	13	12	.....	4	3	1	.....
	31	81	42	15	10	7	.....	4	4	1	.....
September	5	90	60	11	5	5	.....	6	5	2	1
	14	104	73	17	14	5	.....	.....	1	2	.....
	21	66	52	10	9	3	.....	3	1	2	.....
	28	91	57	18	6	6	.....	3	3	2	1
October	4	85	47	16	12	8	1	1	.....	4	.....
	11	101	62	11	16	6	1	6	4	3	1
	18	81	44	10	15	6	1	3	5	1	.....
	25	65	37	12	8	6	1	3	2	4	.....
November	1	90	50	15	15	9	.....	4	1	5	1
	8	86	57	11	15	4	.....	6	.....	3	1
	15	73	44	21	10	7	.....	3	1	1	.....
	22	95	64	15	10	6	.....	3	2	.....	1
	29	67	40	7	12	4	.....	3	2	1	.....
December	6	77	40	10	9	3	.....	4	3	3	.....
	13	94	52	20	10	7	2	2	1	5	.....
	20	88	56	14	7	5	.....	3	2	5	.....
	27	131	75	17	17	11	2	3	6	10	.....
Total	1	4,063	2,404	709	541	292	37	170	106	147	8

VA

VAR

TABLE SHOWING THE CLASSIFIED CAUSES OF DEATH.

REPORTED EACH WEEK DURING THE YEAR 1889; ALSO DEATHS BY SUICIDE.

WEEKS ENDING.	Deaths from all causes in 1889.	Deaths from all causes in 1888.	Deaths from all causes in 1887.	Deaths reported corresponding Week in 1886.	Deaths reported corresponding Week in 1885.	Deaths reported corresponding Week in 1884.	Deaths from Zymotic diseases.	Deaths from Constitutional diseases.	Deaths from Local diseases.	Deaths from Developmental diseases.	Deaths by Violence.	Deaths by Suicide.	Mean Barometer.	Mean Thermometer.	Mean Humidity. Per Cent.
January 5	27	49	69	47	69	65	7	5	13	1	1	.....	30.19	33.4	77.0
12	54	70	66	67	73	51	9	11	25	7	2	.....	29.94	32.3	8.0
19	78	92	86	55	75	56	19	11	36	9	3	.....	30.17	33.2	78.0
26	74	91	66	61	76	51	18	11	29	12	4	1	30.16	34.0	78.0
February 2	83	99	82	47	60	51	17	14	41	8	3	1	29.85	25.7	80.4
9	77	81	77	72	47	48	21	9	36	5	6	.....	29.94	21.8	79.1
16	66	63	68	56	69	54	14	13	30	7	2	1	29.97	24.1	74.4
23	76	76	75	55	70	53	13	7	44	8	4	1	30.27	20.6	68.0
March 2	75	107	67	65	62	59	13	11	44	7	.....	.....	30.46	26.4	84.0
9	77	82	58	74	52	67	16	18	33	8	2	1	29.85	31.9	80.0
16	77	86	66	91	51	69	6	13	44	10	4	1	30.04	38.4	64.6
23	76	79	94	88	72	60	5	14	39	12	6	1	30.02	37.8	80.1
30	83	76	61	71	78	53	17	14	40	10	2	.....	29.99	37.6	59.0

TABLE SHOWING THE CLASSIFIED CAUSES OF DEATH.—CONTINUED.

WEEKS ENDING.	Deaths from all causes in 1889.	Deaths from all causes in 1888.	Deaths from all causes in 1887.	Deaths reported corresponding Week in 1886.	Deaths reported corresponding Week in 1885.	Deaths reported corresponding Week in 1884.	Deaths from Zymotic diseases.	Deaths from Constitutional diseases.	Deaths from Local diseases.	Deaths from Developmental diseases.	Deaths by Violence.	Deaths by Suicide.	Mean Barometer.	Mean Thermometer.	Mean Humidity. Per Cent.
April..... 6.....	80	95	82	61	69	63	12	14	41	9	4	.....	29.96	37.3	80.8
13.....	88	87	85	61	69	50	10	14	45	15	4	1	30.08	45.0	68.0
20.....	85	72	65	75	71	67	26	18	29	12	.....	.....	30.09	52.0	63.0
27.....	91	106	65	67	50	68	10	11	54	11	5	3	30.01	49.0	70.0
May 4	67	99	70	64	59	67	14	12	35	4	2	2	29.96	46.4	65.4
11	75	89	80	38	63	61	18	8	34	6	9	3	29.97	70.0	47.6
18.....	70	76	77	50	67	61	15	11	33	6	5	.....	29.95	64.0	63.0
25.....	82	72	69	48	51	54	14	13	41	7	7	2	29.98	54.0	72.0
June..... 1.....	58	79	67	67	46	57	12	11	24	6	5	1	29.87	50.0	73.0
8.....	73	73	63	55	48	56	10	17	29	11	6	1	29.84	58.0	72.0
15.....	86	67	61	67	58	49	26	14	29	8	9	2	30.08	68.0	72.0
22	64	70	77	54	58	53	17	11	28	5	3	.....	29.92	69.8	76.0
29.	60	71	65	64	46	68	16	13	25	4	2	1	30.22	65.9	72.7

TABLE SHOWING THE CLASSIFIED CAUSES OF DEATH.—CONTINUED.

WEEKS ENDING.	Deaths from all causes in 1889.	Deaths from all causes in 1888.	Deaths from all causes in 1887.	Deaths reported corresponding Week in 1886.	Deaths reported corresponding Week in 1885.	Deaths reported corresponding Week in 1884.	Deaths from Zymotic diseases.	Deaths from Constitutional diseases.	Deaths from Local diseases.	Deaths from Developmental diseases.	Deaths by Violence.	Deaths by Suicide.	Mean Barometer.	Mean Thermometer.	Mean Humidity. Per Cent.
July ..... 6.....	68	85	109	83	75	81	22	11	21	9	5	.....	30.07	71.0	73.0
13.....	106	98	132	110	80	101	40	10	42	12	2	.....	30.02	76.0	72.0
20.....	93	140	138	99	133	114	50	13	22	6	2	.....	29.93	69.0	82.0
27.....	108	151	104	103	154	95	58	17	24	7	2	.....	29.97	67.0	71.0
August..... 3.....	114	148	89	80	122	97	45	11	38	15	5	.....	29.98	70.0	72.0
10.....	130	144	94	76	115	72	50	20	31	22	7	.....	30.13	67.0	71.0
17.....	102	132	79	78	103	85	44	8	35	7	8	.....	30.04	64.4	71.0
24.....	110	91	73	81	69	88	53	18	28	9	2	1	30.04	69.2	68.6
31.....	83	107	65	79	79	95	33	9	29	8	4	1	.....	.....	.....
September ... 7.....	95	101	100	78	73	105	42	13	32	6	2	.....	30.08	69.0	75.0
14.....	112	96	83	84	80	89	49	16	30	12	5	1	30.11	68.5	76.4
21.....	80	76	85	74	60	81	35	12	22	9	2	.....	29.90	56.8	75.7
28.....	96	63	84	72	56	84	41	14	26	8	7	1	30.09	53.8	70.4
October ..... 5.....	89	76	67	56	67	86	35	18	24	8	4	2	30.01	54.3	74.6

TABLE SHOWING THE CLASSIFIED CAUSES OF DEATH.—CONTINUED.

WEEKS ENDING.	Deaths from all causes in 1889.	Deaths from all causes in 1888.	Deaths from all causes in 1887.	Deaths reported corresponding Week in 1886.	Deaths reported corresponding Week in 1885.	Deaths reported corresponding Week in 1884.	Deaths from Zymotic diseases.	Deaths from Constitutional diseases.	Deaths from Local diseases.	Deaths from Developmental Diseases.	Deaths by Violence.	Deaths by Suicide.	Mean Barometer.	Mean Thermometer.	Mean Humidity. Per Cent.
October 12	110	63	86	50	62	95	34	18	38	13	7	.....	30.08	48.8	65.8
19.....	85	69	83	56	46	100	20	9	32	12	3	2	30.20	48.8	70.1
26	73	65	71	63	59	62	25	12	30	5	1	.....	30.15	43.2	71.3
November.... 2.....	100	52	89	59	61	65	20	19	47	11	3	.....	.....	.....	.....
9.....	97	57	65	78	51	90	32	14	39	7	5	1	30.19	41.6	70.7
16.....	87	53	89	54	51	96	26	11	36	11	3	.....	30.14	42.6	78.2
23.....	101	70	85	71	48	95	32	12	35	17	5	.....	20.79	42.8	85.9
30.....	69	63	65	60	69	88	19	6	31	12	1	.....	30.17	34.4	77.8
December.... 7.....	72	64	81	58	53	73	29	12	23	6	2	.....	.....	.....	.....
14.....	99	68	77	64	65	70	27	10	51	11	.....	.....	.....	.....	.....
21.....	92	59	80	68	59	71	29	16	34	9	4	.....	.....	.....	.....
31.....	141	116	103	67	.....	.....	30	21	65	16	9	.....	.....	.....	.....
Total	4,414	4,415	4,139	3,525	3,574	3,732	301	668	1,766	476	200	32	.....	.....	.....

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Report of the City Solicitor.

ALLAN T. BRINSMADE,
City Solicitor.

A. M. BURNS,
First Assistant.

DAN. F. REYNOLDS, JR.,
Second Assistant.

FRED. A. KAY,
Stenographer.

Solicitor's Report.

CLEVELAND, OHIO, January 1st, 1890.

To the Honorable the City Council:

GENTLEMEN:—In making this my Fifth Annual Report, I desire to again express my thanks to the Mayor, your Honorable body, and the various heads of departments of the city government for the uniform courtesy extended to myself and my assistants.

To my assistants, A. M. Burns, and Dan. F. Reynolds, Jr., I desire in this manner to publicly acknowledge my appreciation of their valuable services. They have been faithful in their duties and have performed their work well.

None but those familiar with the duties devolving upon the legal department of the city government can have any conception of the amount of labor required in it.

The several schedules, hereinafter appearing, will indicate somewhat the business transacted.

In addition to the labor performed, as appears from such schedules, opinions are almost daily required for some of the departments.

Ordinances, resolutions, contracts, allotment plats, &c., &c., are examined, and a great variety of miscellaneous business constantly requires the attention of the department.

Reference to some of the more important cases is hereby made.

HENRY KING *vs.* THE CITY OF CLEVELAND.	Claim, $20,000.

This was a case commenced against the city, and tried shortly after the commencement of my term of office, by Mr. W. E. Sherwood, then assistant in this department, and he tried it well. It was tried in the United States Circuit Court in this city, and a verdict rendered for $10,000.

It was deemed best by Mr. Sherwood and myself that the case should be appealed to the Supreme Court of the United States, which was done, but the verdict was sustained.

The opinion of the Court of last resort has not as yet been received. When it is, a further communication relative to the case will be sent to your Honorable body.

The facts in this case are in brief as follows: King was being driven in a carriage along Bank street, when the carriage collided with a mortar box, placed in the street by a contractor, he having a permit from the city to occupy a certain portion of the street; King was thrown from the carriage, and his leg was broken; he was laid up for a long time, and from the important nature of his business suffered great damage.

HUGH HUSSEY, Administrator of the estate of T. Shannon, *vs.* CITY OF CLEVELAND.	Claim, $10,000.

This was an action brought by the administrator of Timothy Shannon, to recover damages for his death, said to have been caused by falling from the abutment of the Central Viaduct.

The case was tried twice; the first trial resulted in the disagreement of the jury; the second trial, the verdict was in favor of the city.

JULIA VAN CYCLE *vs.* CITY OF CLEVELAND.	Claim, $5,000.

In this case the plaintiff brought suit for $5,000 for personal injuries sustained, as she alleged, by falling on the sidewalk.

The verdict of the jury in the Common Pleas Court was for the city. Plaintiff has appealed to the Circuit Court.

HATTIE FITCH, by, &c. *vs.* CITY OF CLEVELAND.	Claim, $5,000.

This was an action for an injury sustained by the plaintiff in one of the school houses of the city.

When the case was called for trial, objection was offered against the introduction of any testimony in the case, for the reason that the allegations in the petition did not warrant the introduction of any evidence whatsoever in the case as against the city. The Court sustained the motion by the City Solicitor, whereupon the plaintiff's attorney dismissed the case.

R. M. LEE, Administrator of John Davitt, *vs.* CITY OF CLEVELAND.	Claim, $10,000.

This was an action for the death of John Davitt, who was upon a sand scow, and was knocked off by the swinging of the Main street bridge, and was drowned.

A verdict was rendered for $1,800. This accident was caused by the alleged carelessness and negligence of the engineer of the Main street bridge.

ADDIE ANN KING *vs.* THE BOARD OF TRUSTEES OF FIREMEN'S PENSION FUND, AND OTHERS.	In Court of Common Pleas.

In this case the plaintiff brought suit to recover a judgment against the defendants in the sum of $1,065.00 for herself, and also a separate suit as guardian, to recover the sum of $710.00, these sums being the amount of pension for herself and her two children, on account of the death of her husband, W. Arthur King, a fireman. To the two petitions then filed the city demurred generally, and also to the jurisdiction of the Court, on account of the provisions of the 13th section of the Firemen's Pension Act, O. L. Vol. 83, 114. This demurrer was sustained, and judgment thereon was rendered in favor of the defendants.

THE STATE OF OHIO, *ex rel*, NORAH HARVEY *vs.* THE BOARD OF TRUSTEES OF FIREMEN'S PENSION FUND, AND OTHERS.	In Court of Common Pleas.

This is a case for a peremptory writ of *mandamus* to place the name of the relator and her children on the pension roll of said pension fund. The case was partially tried by the said Court, and then by it referred to the said trustees for a hearing, upon the proofs and merits of the relator's claims. The case has been so heard, and by said Board of Trustees rejected. The case is still pending before the Court and will probably be disposed of at an early date.

THE OHMENHAUSER CASES.

In the case of the City *vs.* John Bartlett, and others, an application to appropriate property, for the extension of Kingsbury Run bridge, from Jackson street to Humboldt street, was filed in the Probate Court, August 2nd, 1886. In this case awards were made, amongst others, to F. Ohmenhauser of $2,050, and to F. and H. Ohmenhauser of $450, as compensation for their lands taken in that proceeding. F. Ohmenhauser appealed his separate case to the Court of Common Pleas, where he recovered an award of $1,665.00. He then took the case to the Circuit Court on a petition in error, where the award and judgment of the Court below were affirmed. Whereupon the city deposited with the Clerk of the Court of Common Pleas the sum of $1,837.61, being the said award and interest thereon to the date of said deposit. He has now carried the cause to the Supreme Court of Ohio, where it is now pending. The city offered to pay both these awards to the Ohmenhausers, on or about March 15th, 1887, less than six months from the date of said awards, but the same was refused, whereupon the city having paid all the other awards made in the case, took possession of the premises so appropriated, and erected thereon the improvement intended.

After the same had been completed as intended, the Ohmenhausers broke open the drains and culverts, which had been put in for the purpose of draining the surface water, and maintaining the foundations of said bridge. The city began an action of injunction against them to restrain such unlawful action, and on July 3rd, 1889, after a full hearing, obtained a temporary injunction as prayed for. On July 18, 1889, the city deposited the amount of said award of $450 with the Clerk of the Court of Common Pleas for said Ohmenhauser's use. The case is now set for hearing on Feb. 3rd, 1890, and I confidently expect a decree, finally fixing the rights of the parties in that behalf, on the basis of the award made in the Probate Court as aforesaid.

On July 31, 1889, Mr. F. Ohmenhauser began an action in the Court of Common Pleas against the city to recover a judgment for

$37,000 damages, for the subject matter involved in said award of $1,665.00, and which as before stated is now pending in the Supreme Court of Ohio. I expect this case will be tried at the present or the next term of the said Court. I have confidence in a result favorable to the city.

Mr. F. Ohmenhauser has recently begun an action against the city, in which a temporary injunction was granted, without notice to the city, and in which he claims damages in the sum of $6,000, on account of the recent improvement of Ackley avenue. In this case the city makes the issues that the plaintiff did not present his claim for damages as the law requires and is now barred; that his lands are unimproved; that the present is the first and only grade of said street, and that said grade is reasonable. I expect the case will be tried soon and a favorable result obtained, so that said improvement may be resumed and completed early in the coming Spring.

COLLECTIONS.

The following amounts have been collected by this department upon the request of the City Auditor during the year, and turned over to the City Treasurer, for which vouchers are on file in my office:

Valley R. R. Co., for Seneca Street bridge	$2000.00
Joseph Curney, for building on Trumbull Street	260.00
Rents	368.75
Total	$2628.75

The following Auditors' warrants were drawn and deposited as follows:

July 18, 1889.—With Clerk Court Common Pleas, for F. & H. Ohmenhauser	$ 450.00
Aug. 13, 1889.— " " " " " " F. Ohmenhauser	1837.61
" 24, 1889.— " " Probate Court for D. Z. Herr	1220.00
" 21, 1889.— " " " " " Emma L. Gish	237.50
Total	$3745.11

LAW LIBRARY.

A list of law books added to the library in my department during the year 1889 is hereinafter appended.

INVENTORY.

There has been filed with the City Auditor an accurate and complete account of all the city property in the several rooms occupied by this department, upon which an estimated value of $1852.00 is placed.

Respectfully submitted,

ALLAN T. BRINSMADE,

City Solicitor.

REPORT OF CITY'S LITIGATION,

FROM JANUARY 1ST, 1889, TO JANUARY 1ST, 1890.

Cases pending January 1st, 1889:

Supreme Court of the United States	1
Circuit Court of the United States	0
Supreme Court of Ohio	6
Circuit Court of Cuyahoga County	8
Common Pleas Court of Cuyahoga County	77
Probate Court of Cuyahoga County	0
Magistrate Courts	0
Total	92

Cases commenced from January 1st, 1889, to January 1st, 1890:

Supreme Court of the United States	0
Circuit Court of the United States	0
Supreme Court of Ohio	1
Circuit Court of Cuyahoga County	7
Common Pleas Court of Cuyahoga County	41
Probate Court of Cuyahoga County	5
Magistrate Courts	36
Total	90

Cases disposed of from January 1st, 1889, to January 1st, 1890:

Supreme Court of the United States	1
Circuit Court of the United States	0
Supreme Court of Ohio	0
Circuit Court of Cuyahoga County	8

Common Pleas Court of Cuyahoga County	53
Probate Court of Cuyahoga County	5
Magistrate Courts	36
Total	103

Cases pending January 1st, 1890:

Supreme Court of the United States	0
Circuit Court of the United States	0
Supreme Court of Ohio	7
Circuit Court of Cuyahoga County	7
Common Pleas Court of Cuyahoga County	65
Probate Court of Cuyahoga County	0
Magistrate Courts	0
Total	79

The following entitled actions, in which the city or its officers were interested, were pending in the various courts under which they are enumerated, on the first day of January, 1889:

SUPREME COURT OF THE UNITED STATES.

King vs. City.—Personal injury.

SUPREME COURT OF OHIO.

Bulkley vs. Whitbeck, Tr.—Recover back Bond street assessment.

Whitbeck, Tr., vs. Minch.—Recover back 7th Dist. sewer tax.

State of Ohio, ex rel. Jacob Krejsa, vs. Board of Eduction.—Mandamus.

Himrod Furnace Co. vs. Watterson, assignee, et al.—Recovery on water pipe contract.

Board of Directors of the House of Refuge and Correction vs. Worley.—Habeas Corpus.

Wittenberg vs. Watterson, Tr.—Collection of Payne avenue assessment.

CIRCUIT COURT OF CUYAHOGA COUNTY.

Watterson, Tr., vs. Leavitt.—Collection of Atlantic street assessment.

Barnes vs. Pelton, Tr., et al.—Injunction, Herald street assessment.

Keiper vs. City et al.—Injunction, Willson avenue widening assessment.

Sked vs. City et al.—Injunction, St. Clair street sewer assessment.

Speakel vs. City.—False imprisonment.

Cleveland Provision Co. vs. City.—Collection of dock rent.

Ohmenhauser vs. City.—Appropriation, Kingsbury Run Viaduct.

Shibley vs. City.—False Imprisonment.

COMMON PLEAS COURT, CUYAHOGA COUNTY.

INJUNCTIONS.

Andrews et al. vs. City et al.—Broadway assessment.

Coolidge et al. vs. City et al.—Broadway assessment.

Morgan vs. City et al.—Broadway assessment.

Beckwith vs. Pelton et al.—Kinsman street assessment.

Bradley et al. vs. City et al.—Kinsman street asssessmeflt.

Geib vs. Whitbeck, Tr., et al.—Herald street assessment.

Miller vs. City et al.—Herald street assessment.

Adams vs. City et al.—Herald street assessment.

Bahls vs. City et al.—St. Clair street assessment.

Kindsvater vs. City et al.—St. Clair street assessment.

Lawrence vs. City et al.—St. Clair street assessment.

Gordon vs. City et al.—St. Clair street assessment.

Burying Ground Society vs. Whitbeck et al.—Euclid avenue assessment.

Slade et al. vs. City et al.—Broadway sewer assessment.

Morgan vs. City et al.—Broadway sewer assessment.

DeVeny vs. City et al.—Sibley street paving assessment.

McHenry vs. City et. al.—Sibley street paving assessment.

Beckwith vs. Kimberley et al.—Beckwith avenue assessment.

Seymour et al. vs. Melchar et al.—Subdivision of lots in Monroe street cemetery.

Herr vs. City.—Possession of land on Clark avenue.

Case School of Applied Science vs. City et al.—Standing wagons on Wood street.

Morgan vs. Pelton et al.—Willson avenue opening assessment.

RECOVERY OF BACK TAX.

Wooldridge vs. Pelton et al.—Kinsman street assessment.

Perkins et al. vs. City et al.—Kinsman street assessment.

White vs. Whitbeck, Tr., et al.—Kinsman street assessment.

Felsenheld vs. Whitbeck, Tr., et al.—Herald street assessment.

Crocker vs. Whitbeck, Tr., et al.—Herald street assessment.

Bulkley vs. Whitbeck, Tr., et al.—Seneca street opening assessment.

Massey et al. vs. City et al.—Grand avenue assessment.

Foote et al. vs. Watterson, Tr., et al.—Grand avenue assessment.

Keiper vs. Watterson et al.—Willson avenue assessment.

Barber vs. City et al.—Doan Brook sewer assessment.

Dellenbaugh vs. Whitbeck, Tr., et al.—Wade Park avenue assessment.

Keiper vs. Whitbeck, Tr., et al.—Marquette street opening assessment.

COLLECTION OF BACK TAX.

City vs. Cleveland & Newburgh Street R. R.—Kinsman street assessment.

City vs. Erwin.—Broadway assessment.

Watterson, Tr., vs. Mathivet.—Kinsman and Grand avenue assessment.

DAMAGE TO PROPERTY.

Northern Transportation Co. vs. City.—By reason of construction Superior street viaduct.

Robison vs. City.—By reason of construction Superior street viaduct.

Collins vs. City.—By reason of construction Superior street viaduct.

Herrick vs. City.—By reason of construction Superior street viaduct.

Borges vs. City.—By reason of construction Superior street viaduct.

Grummond vs. City.—Damage to vessel.

Gillespie vs. City.—Damage to horse.

Davidson vs. City.—Damage to horse.

Masury vs. City.—By reason of Grand avenue grading.

Brainard et al. vs. City.—By reason of construction of St. Clair street sewer.

PERSONAL INJURY.

Coleman vs. N. Y., L. E. & W. R. R., et al.—Falling over embankment at Winslow street.

Hawver vs. City et al.—Falling through sidewalk on Ontario street.

Van Cycle vs. City.—Falling on icy crosswalk on Garden street.

Hussey, adm'r, vs. City.—Falling over embankment at Cliff street.

McGinty vs. City.—Falling on icy sidewalk at Valley railroad depot.

Lee, adm'r, vs. City.—Knocked off scow at Main street bridge and drowned.

Fitch, by, &c., vs. City.—Falling into steam basin at Detroit street school.

Conway vs. City.—Injuries received in trench in Harvard street.

FALSE IMPRISONMENT.

Kemmerer vs. Eccard et al.—Against patrolmen.

Kemmerer vs. Cunneen et al.—Against patrolmen.

Banner vs. Flavin et al.—Against patrolmen.

Fleckenstein vs. Seibel.—Against patrolman.

McKelvey vs. McMillen et al.—Against detectives.

Haber vs. Poss.—Against Superintendent of Markets.

Bednar vs. Spirakus et al.—Against patrolmen.

FOR THE RECOVERY OF BACK PAY.

Ramsey vs. City.—As patrolman.

Reif vs. City.—As fireman.

Shaw vs. City.—As guard on viaduct.

Fairchilds vs. City.—As fireman.

Corbett vs. City.—As Assistant City Clerk.

MISCELLANEOUS ACTIONS.

City vs. West Side Street R. R. Co.—Cost of taking up old tracks and repaving.

Board of Education vs. McMahon et al.—Foreclosure.

Van Cycle, Geo., vs. City.—Expenses paid for injuries to wife.

Bell vs. City et al.—Breach of contract.

Shay vs. Mellen, guardian.—Allowance of claim.

Cleveland & Pittsburg R. R. Co. vs. City.—Possession of land at Workhouse.

Orley vs. City et al.—Recovery on viaduct paving contract.

City vs. Fishel.—Possession of land on Croton street.

Stovering vs. City.—Recover on fire boat contract.

City vs. Gabriel et. al.—Appropriation, Trumbull street extension.

The following list of cases was brought against and for the city, or its officers or agents, in the various courts, during the year 1889:

SUPREME COURT OF OHIO.

Ohmenhauser vs. City.—Appropriation, Kingsbury Run Viaduct.

CIRCUIT COURT OF CUYAHOGA COUNTY.

Van Cycle vs. City.—Personal injury.

City vs. Cohen.—Damage to property.

Kemmerer vs. Eccard et al.—False Imprisonment.

Watterson vs. Mathivet.—To collect Kinsman and Grand avenue assessment.

Blandin vs. Board of Education.—Injunction, Smead heating system.

Coolidge et al. vs. City et al.—Injunction, Broadway assessment.

Bahls vs. City.—St. Clair street widening assessment.

COMMON PLEAS COURT OF CUYAHOGA COUNTY.

Dixon et al. vs. City.—Injunction, Ontario street repaving assessment.

Eggers vs. Kimberley et al.—Injunction, Petrie street assessment.

Robbins vs. City.—Injunction, Sibley street paving assessment.

Huntington et al. vs. City et al.—Injunction, Willson avenue paving assessment.

Squire et al. vs. City et al.—Injunction, Sawtell avenue paving assessment.

Dodge et al. vs. City et. al.—Injunction, Euclid avenue repaving assessment.

Halle vs. City et al.—Injunction, Muirson street paving assessment.

Kavanaugh vs. City et al.—Injunction, Hill street paving assessment.

Hale vs. City et al.—Injunction, East Madison avenue repaving assessment.

Miller vs. Faulhaber et al.—Injunction, Council committee taking testimony.

City vs. Ohmenhauser.—Injunction, breaking sewer under Kingsbury viaduct.

Munhall vs. City et al.—Injunction, In re., enforcement of dog ordinance.

Hook et al. vs. City et al.—Injunction, In re., West Side market stands.

Drury et al. vs. Board of Education et al.—Injunction, In re., school seating contract.

Blandin vs. Board of Education.—Injunction, In re., Smead heating contract.

South Side Street R. R. vs. City et al.—Injunction, In re., poles and wires in Superior street.

Nelson et al. vs. City.—Damage to vessel.

Nichols vs. City.—Damage to horse.

Ohmenhauser vs. City.—Damage to property on Kingsbury Run.

Foster vs. City.—Damage to property, Middle street improvement.

Halle vs. City.—Damage to property, Middle street improvement.

Ohmenhauser vs. City.—Damage to property, Ackley avenue improvement.

Krause et al. vs. City.—Damage to property, Case avenue improvement.

Maier vs. City.—Personal injury.

Morgan vs. City.—Personal injury.

Weigand vs. City.—Personal injury.

Schutz, by, &c. vs. City.—Personal injury.

Munhollen vs. Parks et al.—False imprisonment.

Gallagher vs. City.—Recover value of pawn ticket lost in Police Court.

Laffrinier vs. City et al.—Possession of land.

City vs. Southern et al.—Appropriation—Curtis avenue extension.

King Iron Bridge Co. vs. City.—Recover on contracts.

Hannon vs. City.—Quiet title of land.

State of Ohio, ex. rel. Board of Workhouse Directors vs. City et al.—Mandamus.

State of Ohio, ex. rel. Harvey vs. Board of Trustees Firemen's Pension Fund.—Mandamus.

King (guardian) vs. Board of Trustees Firemen's Pension Fund.—Claim for Pension.

King et al. vs. Board of Trustees Firemen's Pension Fund.—Claim for Pension.

Sacker vs. Mellen, Sup't, etc.—Habeas Corpus.

City vs. Gordon et al.—Recover on Axworthy, Tr., bond.

City vs. Payne et al.—Recover on Axworthy, Tr., bond.

City vs. Wade, Jr., et al.—Recover on Axworthy, Tr., bond.

CASES DISPOSED OF DURING THE YEAR 1889.

Of the above enumerated cases pending and commenced during the year 1889, the following were disposed of during said year:

SUPREME COURT OF THE UNITED STATES.

King vs. City.

CIRCUIT COURT OF CUYAHOGA COUNTY.

Watterson vs. Leavitt.

Barnes et al. vs. Pelton et al.

Sked vs. City et al.

Speakel vs. City.

Cleveland Provision Co. vs. City.

Ohmenhauser vs. City.

Shibley vs. City.

Blandin vs. Board of Education.

COMMON PLEAS COURT OF CUYAHOGA COUNTY.

Beckwith vs. Pelton et al.

Coolidge et al. vs. City et al.

Bradley et al. vs. City.

Geib vs. Whitbeck, Tr. et al.

Miller vs. City et al.

Adams vs. City et al.

Bahls vs. City et al.

Slade et al. vs. City et al.

Morgan vs. City et al.

Seymour et al. vs. Melcher et al.

Herr vs. City.

Case School of Applied Science vs. City et al.

DeVeny vs. City et al.

McHenry vs. City et al.

Beckwith vs. Kimberly et al.

Dixon et al. vs. Kimberly et al.

Miller vs. Faulhaber et al.

Eggers vs. Kimberly et al.

Robbins vs. City et al.

Munhall vs. City et al.

Blandin vs. Board of Education et al.

South Side Street R. R. vs. City.

Wooldridge et al. vs. Pelton et al.

Barber vs. City et al.

Keiper vs. Whitbeck, Tr. et al.

Perkins et al. vs. City et al.

White vs. Whitbeck, Tr. et al.

Watterson, Tr. et al. vs. Mathivet.

Borges vs. City.

Gillespie vs. City.

Masury vs. City.

Davidson vs. City.

Nichols vs. City.

Coleman vs. N. Y. L. E. & W. R. R. et al.

Van Cycle vs. City.

Hussey, Admr., etc. vs. City.

Lee, Admr., etc. vs. City.

Fitch vs. City.

Conway vs. City.

Kemmerer vs. Eccard et al.

McKelvey vs. McMillen et al.

Fleckenstein vs. Seibel.

Reif vs. City.

Fairchilds vs. City.

Bell vs. City et al.

Shay vs. Mellen.

Orley vs. City et al.

City vs. Fishel.

City vs. Gabriel et al.

State of Ohio, Ex. Rel.
Board of Workhouse Directors } vs. City et al.

King, Guardian vs. Board of Trustees Firemen's Pension Fund.

King vs. Board of Trustees Firemen's Pension Fund.

In re., application of Joseph Sucker vs. Mellen, Sup't, etc.

ACTIONS AGAINST THE CITY.

Of the cases pending in the various courts against the city on the 1st day of January, 1889, the following is a statement of the amount involved:

Twelve (12) were actions for the recovery of back taxes; ten (10) were actions for damage to property; nine (9) were actions for personal injury, and seven (7) were suits for false imprisonment brought against police officers and others, and are distributed as follows:

In the twelve cases for back taxes	$ 8,961 50
In the ten cases for damage to property	108 230 00
In the nine cases for personal injury	66,000 00
In the seven cases for false imprisonment	53,500 00
Total amount claimed in thirty-eight cases	$ 236,691 50

ACTIONS COMMENCED AGAINST THE CITY DURING THE YEAR.

Of the cases commenced against the city during the year 1889, no action was brought for the recovery of back taxes; seven (7) were actions for damage to property; four (4) were actions for personal injury, and one (1) was an action for false imprisonment, and are distributed as follows:

In the seven cases for damage to property	$ 57,364 00
In the four cases for personal injury	30,000 00
In the one case for false imprisonment	10,000 00
Total amount claimed in twelve cases	$ 97,364 00

RECAPITULATION.

The total amount of money claimed in actions against the city, as above set forth, for personal injury, false imprisonment against police officers of the city, for the recovery of back taxes, and for damage to property in which compensation was claimed through the alleged fault of the city, in the cases pending January 1, 1889, and those commenced during the year 1889, is as follows:

In the twelve cases for back taxes	$ 8,961 50
In the seventeen cases for damage to property	165,594 00
In the thirteen cases for personal injury	96,000 00
In the eight cases for false imprisonment	63,500 00
Total amount claimed in fifty cases	$ 334,055 50

CASES DISPOSED OF AGAINST THE CITY DURING THE YEAR.

Of the fifty cases set forth in the above recapitulation of actions against the city, the following have been disposed of during the year 1889, and are distributed as follows:

AMOUNT CLAIMED.

In five cases for recovery of back tax	$ 1,716 88
In five cases for damage to property	24,045 00
In seven cases for personal injury	51,000 00
In three cases for false imprisonment	16,000 00
Total amount claimed in twenty cases	$ 92,716 88

AMOUNT RECOVERED.

In five cases for recovery of back tax	$ 398 12
In five cases for damage to property	802 93
In seven cases for personal injury	11,800 00
In three cases for false imprisonment	1,250 00
Total amount recovered in twenty cases	$ 14,251 05

SUMMARY.

The total amount of money involved in cases pending against the city and those commenced during the year 1889, as shown by the above statements of compensation claimed for recovery of back taxes, damage to property, personal injuries and false imprisonment, also including money claimed in actions for back pay by former employes of the city, but excluding injunction proceedings to restrain the collection of taxes and special assessments levied by the city, also ejectment suits wherein real property only was sought to be removed, and other actions wherein no pecuniary compensation is demanded from the city, is as follows:

In cases pending January 1, 1889	$ 270,836 12
In cases commenced during the year	100,765 81
Total	$ 371,601 93
In cases disposed of during the year	126,241 52
In cases pending January 1, 1890	$ 245,360 41

ACTIONS FOR THE CITY.

There were pending on the 1st day of January, 1889, in the various courts of the State of Ohio, eight (8) actions brought by the city, and three (3) more were commenced during the year to recover on the bonds of Axworthy, Treasurer, in which pending cases the city, through the Treasurer of Cuyahoga County, sought to collect special assessments, except in such actions wherein the city sought to collect other moneys, all of which are distributed as follows:

Total amount claimed in cases pending	$ 4,292 34
Total amount claimed in cases commenced	395,545 91
Total	$ 399,838 25

Of the above actions brought by the city, four (4) have been disposed of during the year 1889 as follows:

Total amount claimed	$ 4,292 34
Total amount recovered	4,108 80

SUMMARY.

Amount claimed in cases pending and commenced	$ 399,838 25
Amount recovered in four disposed of cases	4,108 80
Amount claimed in seven pending cases	$ 395,729 45

INJUNCTION PROCEEDINGS.

On the 1st day of January, 1889, there were pending in the several courts of the State of Ohio, twenty-five (25) cases enjoining the City of Cleveland from levying or assessing, and the Treasurer of Cuyahoga County from collecting or attempting to collect special and other assessments, a number of which cases are against the collection of assessments levied by the City Council several years back. There have been commenced during the year for the same purposes nineteen (19) cases, all of which are as follows:

In the Circuit court of Cuyahoga County	6
In the Common Pleas Court of Cuyahoga County	38
Total pending and commenced	44

Of the above forty-four cases, the following have been disposed of during the year:

In the Circuit Court	3
In the Common Pleas Court	22
Total number disposed of during 1889	25
Total number pending January 1, 1890	19

PROBATE COURT PROCEEDINGS.

YEAR ENDING DECEMBER 31, 1889.

Several ordinances have been passed by the City Council during the year 1889 for the appropriation of land for the purpose of widening, opening and extending several streets of the city, in pursuance of which the following statement is given of actions commenced and disposed of during the year 1889 in the Probate Court of Cuyahoga County:

CURTISS AVENUE EXTENSION.

FROM EASTERLY TERMINUS TO DORCHESTER AVENUE.

CLAIMANTS.	AMOUNT AWARDED.
L. M. Southern, 16 5-12 feet on Dorchester ave	$ 1,222 50
G. B. Stone, 40 feet on Dorchester ave	2,600 00
J. S. Stevens, 9 5-12 feet on Dorchester ave	800 00
Clara M. Hannon et al., 66x305 feet (Cobb property)	3,825 00
Total	$ 8,447 50

CLARK AVENUE WIDENING.

AT JUNCTION OF SCRANTON AVENUE.

D. Z. Herr, 13.31x127.29 feet on Scranton ave	$ 520 00
D. Z. Herr, value of brick structure	700 00
Emma L. Gish, 52x13 feet on Clark ave	237 50
Total	$ 1,457 50

WALWORTH RUN APPROPRIATION.

SCRANTON AVENUE TO GORDON AVENUE.

The following is a report of the appropriation of land for Walworth Run Street improvement:

On the 19th day of October, A. D. 1888, your Honorable Body adopted a resolution declaring it to be your intent to lay out and open a street in the valley of the Walworth Run, from Scranton Avenue to Gordon Avenue, and to be known as "Walworth Street."

In said resolution a pertinent description of the property to be appropriated for such purpose was given, and the City Solicitor was therein directed to begin necessary legal proceedings to appropriate such land.

On the 25th day of January, A. D. 1889, your Honorable Body also passed an ordinance (No. 676) entitled, "An ordinance to lay out and open a street to be known as 'Walworth Street' in the valley of Walworth Run, from Scranton Avenue to Gordon Avenue." This ordinance described the property to be appropriated for the opening of said street, and also described a certain district in the vicinity thereof which would especially be benefited thereby, and directed the cost of such appropriation to be assessed on the several lots and parcels of land in such district according to such benefits.

Said resolution and ordinance were duly published according to law.

In pursuance of your said directions, I caused abstracts of title of said different parcels of land so to be appropriated, and maps thereof, showing the side lines of said proposed street, and the size and shape of each parcel of land, and the number of square feet therein, to be prepared, and on the eight day of July, A. D. 1889, I filed in the Probate Court of Cuyahoga County an application, as required by law, for a jury to award to the owners thereof compensation to be paid to them for the premises so proposed to be appropriated.

This case was continued from time to time to complete service by

personal notice and by publication on the parties owning said lands, or having liens or other interests therein, until the 2d day of September, 1889, at which time a jury was duly empaneled and sworn as the law requires.

The case has been on trial, or in some way a hearing in said Court has been had from that date to the present time, and is now all disposed of so far as the same can be done in said Court, except as to one parcel of land, that of the National Packing Co., which, I expect will be tried on the 30th instant, or soon thereafter. The case has been, in some parts, obstinately contested by able counsel of this city, and, indeed, has from first to last engaged the attention of a large number of the members of the bar, who have appeared as counsel for the owners of said land.

The jury which has tried all but one of the cases actually sat in the hearing eighty-four days, and rendered, as I think, reasonable and just awards.

In this case the question of the rights of the city, and the respective owners, Leonard Schlather and Gustave A. and H. J. Weitz, as to the maintenance of their ice ponds on Walworth Run, about which there has been so much controversy and litigation in past years, were fully litigated and tried, with a result in favor of the city, and against the claim of great or any value for their appropriation.

Before said appropriation proceedings were begun, it was estimated that the right of way for said proposed street would cost about $150,000.00.

The awards actually made by the jury, with the several dates of their rendition, are given below; and as will be seen show a saving of more than 40 per cent. of that estimate, including all costs and expenses incurred in said litigation.

There were sixty-six (66) parcels of land to be appropriated in the case, and four (4) lease-hold estates existing as liens on as many of the said parcels of land; this in reality constituting seventy (70) separate cases for trial and adjustment, and awards for each to be returned by the jury as compensation for each and every parcel so appropriated.

Said awards are as follows:

OWNERS.	Lands and Lease-holds taken.	Reduced Value of Lands not taken.	Buildings and other Structures taken.
Oct. 17, 1889.—Cleveland Chem. Co. (Removal of buildings	$ 400 00	$.....	$.....
J. W. Fawcett & Co.....	300 00	700 00	1,000 00
Oct. 29, 1889.—H. W. S. Wood.....	109 68	25 00	.....
H. W. S. Wood.....	73 95	25 00	.....
Alexander McCrea.....	587 90	162 10	.....
Susannah Mitchell.....	911 80	488 20	600 00
Dennis and Ann Nelon.....	10 00	10 00	30 00
John and Mary E. Farrell.....	100 00	125 00	.....
G. A. & L. C. Noderer, et al.....	163 00	100 00	.....
H. W. S. Wood.....	351 98	176 77	.....
Lorinda C. Noderer.....	36 50	23 50	.....
Eliza M. Sloan, et al.....	712 72	237 82	.....
R. R. Rhodes.....	890 40	237 92	.....
Eliza M. Sloan, et al.....	712 32	237 92	.....
H. W. S. Wood.....	1,339 34	694 52	.....
Henry and S. E. Ingham.....	403 90	.....	.....
Carl Simon.....	401 65	.....	.....
Charlotte Hauberger.....	170 95	.....	.....
John and Rosina Fenner.....	85 45	.....	.....
Peter and Mary Obenauer.....	85 45	.....	.....
John Ryan.....	1,200 00	.....	.....
Heirs of Maggie H. Lund.....	222 65	.....	.....
Carl and Jane Peterson.....	240 00	.....	.....
Bridget Conroy.....	120 00	.....	.....
S. A. Cook.....	120 00	.....	.....
Marcus Denerle.....	120 00	.....	.....
Sebastian Doll.....	132 00	.....	.....
Sebastian and Mary Doll.....	194 33	.....	.....
Barbara Scheimer.....	3 66	.....	.....

AWARDS.—*Continued.*

OWNERS.	Lands and Lease-holds taken.	Reduced Value of Lands not taken.	Buildings and other Structures taken.
Joachim Durschlag	$ 3 12	$ 3 38	$.....
Robert Koenig	2 00	1 50	.....
Frederick Vogt	4 86	5 14	.....
Mary D. Love	1 00	.....	.....
L. E. Holden	1,372 38	500 00	.....
Clara and Moritz Reinhart	140 55	36 00	.....
Frederick Scherler	120 90	40 00	.....
George Lenze	34 70	45 30	.....
F. & D. Nolze	741 85	408 19	.....
Herman B. Nolze	40 20	.....	.....
J. C. Bartlett	211 61	.....	.....
M. M. & J. G. Steiger	414 95	.....	.....
J. C. Bartlett	1,457 36	.....	.....
J. C. Bartlett (lease-hold)	331 03	.....	.....
C. & F. Fortlage	850 00	25 00	.....
C. Borlinghauser	503 47	75 25	.....
Belden Seymour, Jr	149 65	58 00	.....
Belden Seymour, Jr	207 25	.....	.....
Caroline S. Dixon	209 80	25 00	.....
Fredricka Beavis	205 90	10 00	.....
Nov. 4, 1889.—William Long	964 50	565 00	1,350 00
John Herbster	255 40	164 60	750 00
C. & E. E. Boest	700 00	50 00	.....
Anna B. Chapman	2,300 00	306 67	.....
Nov. 7, 1889.—Mary Bradford, et al	352 35	.....	.....
Mary Bradford, et al	9,285 95	.....	.....
Isaac Leisy, et al	800 65	466 46	.....
Isaac Leisy, et al	15 40	12 00	.....
Isaac Leisy, et al	412 35	289 99	.....

AWARDS.—*Continued.*

OWNERS.	Lands and Lease-holds taken.	Reduced Value of Lands not taken.	Buildings and other Structures taken.
Isaac Leisy, et al	$ 114 85	$ 167 89	$.....
Isaac Leisy, et al	146 75	171 26	.....
Isaac Leisy, et al	208 35	94 05	.....
Charlotte C. Morison, et al	5,188 59	360 00	.....
Charlotte C. Morison, et al	951 50	.....	.....
Nov. 14, 1889.—Jacob Mueller	880 00	250 00	50 00
N. Y. C. & St. L. R. R. Co	1,305 00	.....	8,470 00
N. Y. C. & St. L. R. R. Co	50	.....	.....
Dec. 13, 1889.—Leonard Schlather	2,500 00	500 00	.....
Leonard Schlather (lease)	50 00	.....	.....
Dec. 28, 1889.—C. C. C. & St. L. R. R. Co	500 00	1,000 00	.....
H. J. & G. A. Weitz (1st piece)	4,151 75	1,485 00	7,600 00
H. J. & G. A. Weitz (2d piece)	4,756 92	275 00	.....
H. J. & G. A. Weitz (3d piece)	755 72	37 50	.....

The total for land and leases taken is $53,388 62

Total for diminished value of residue is 10,671 93

The total for structures is 20,250 00

Total $84,310 55

In the case of the New York, Chicago and St. Louis Railroad Company it will become necessary to reconstruct one hundred and twenty (120) feet of the present bridge over the proposed new street, which explains the award in that behalf.

All the other structures appropriated will be the property of the city when the awards are paid, and can be sold to be removed by the purchasers from the line of the proposed street.

The stone in the present culvert under the C., C., C. & St. L. R. R., at or near Burton Street, is to be the property of the city, provided, the sewer in the proposed street is built before said Company may find it necessary to re-construct or re-build their said culvert. This is by agreement with the Company's counsel, Mr. H. H. Poppleton.

I believe, and am so informed by numerous persons well informed, that the awards above shown are very reasonable and advantageous to the city, and that they are made on such a basis of relative and separate valuations as to preclude the right of any one or more of the owners of the land from just complaint that discrimination has been made in favor or against any of the said owners; this was one of the points carefully guarded in the entire course of the proceedings, and I am fully satisfied was fully realized.

The cases of William Long, John Herbster, Leonard Schlather, The Fawcett Refining Co., and that portion of the land of H. J. and G. A. Weitz as is occupied by ice ponds have been or will be, as I now understand, appealed to the Court of Common Pleas; but I do not think that larger awards will be given in that Court in any of the appealed cases than was given in the Probate Court; and there is nothing, in my opinion, to prevent the city from taking possession of the premises, upon payment of the awards, except in the cases of Long, Herbster, and possibly The Fawcett Refining Company.

In regard to these cases, the owners seem not only willing but anxious to agree upon an amount in advance of their several awards, as a final adjustment of their claims.

The cases appealed by Messrs. Schlather and Weitz refer to their

alleged ice ponds and privileges for the same upon the premises appropriated; and the trials on appeal will involve that question only.

I rely confidently on the city's theory of the questions to be retried on the appeals mentioned, and believe that the results finally reached will not be different from those already attained. Under Section 2260, *Revised Statutes*, these awards will be payable within six months after assessment of compensation has been made. A case in the Supreme Court of Ohio decided that this time begins to run from the date of the entry of the judgment or order directing such assessment to be paid, and not from the date of the rendition of the verdict or award. As soon as the case of the National Packing Company is tried I will have such date fixed by the Court, the time to begin to run at a date subsequent to the rendition of the award in that case. The case of the National Packing Co. will be made the subject of a future report to the Council.

I respectfully urge the necessity of prompt action on the part of the Council, to provide funds to pay these awards, as soon as the case has been fully disposed of in Probate Court.

DAMAGE CASES—STREET GRADING, ETC.

MIDDLE STREET, PROSPECT TO HURON STREET.

Claimants.	Amount Claimed.	Amount Awarded.
John P. Jones	$1,500 00	$ 550 00
Ellen Coleman	300 00	250 00
Mary Eason, et al	3,500 00	650 00
T. H. Graham	1,500 00	150 00
Richard Warlow	1,850 00	1,464 79
Totals	$8,650 00	$3,064 79

DIBBLE AVENUE GRADING, FROM WILLSON AVENUE TO NORWOOD AVENUE.

Claimant.	Amount Claimed.	Amount Awarded.
Augusta Tobien	$1,500 00	Nothing.

Table showing the nature of cases pending January 1, 1889.

Actions to recover back taxes	15
Actions to collect back taxes	4
Actions enjoining the collections of assessments	24
Actions to quiet title	0
Actions to recover back salary	5
Damage to property	10
Personal injury	9
False imprisonment	9
Collection of rent for dockage	1
Foreclosure proceedings	1
Mandamus	1
Recover on contract	3
Appropriation of property	2
Injunctions other than for the collection of taxes	2
Possession of property	2
Breach of contract	1
Habeas corpus	1
Recover cost of paving for street railroads	1
Miscellaneous actions	1
Total	92

Table showing nature of cases commenced from January 1, 1889, to January 1, 1890.

Action to collect back taxes	1
Actions to enjoin collection of assessments	11
Actions to quiet title	1
Damage to property	10
Personal injury	5
False imprisonment	2
Mandamus	2
Recover on contract	1
Appropriation of property	5
Injunctions, other than the collection of taxes	8
Possession of property	1
Habeas corpus	1
Actions to recover on bonds	3
Actions to recover on fireman's pension	2
Actions wherein city was made garnishee	36
Miscellaneous actions	1
Total	90

Table showing the nature of cases disposed of from January 1, 1889, to January 1, 1890.

Action to collect back taxes	1
Actions to enjoin the collection of taxes	17
Damage to property	7
Personal injury	7
False imprisonment	5
Mandamus	1
Appropriation of property	5
Injunctions, other than the collection of taxes	8
Recover on contracts	1
Possession of property	1
Habeas corpus	1
Actions to recover on fireman's pension	2
Actions wherein the city was made garnishee	36
Breach of contract	1
Action to recover back pay	2
Action to recover back taxes	6
Miscellaneous actions	1
Action for collection of dock rent	1
Total	103

THE FOLLOWING IS A TABULATED STATEMENT OF CASES PENDING, COMMENCED AND DISPOSED OF IN THE VARIOUS COURTS FOR EACH YEAR FROM 1880 TO 1890.

CASES PENDING.

COURTS.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Supreme Court of the United States	0	0	0	0	0	0	0	1	1	1
Circuit Court of the United States	3	4	4	4	4	4	2	1	1	0
Supreme Court of Ohio	9	8	8	14	13	15	7	4	5	6
Circuit Court of Cuyahoga County	14	19	21	16	18	18	16	17	17	8
Common Pleas Court of Cuyahoga County	197	195	150	142	160	219	139	118	70	77
Probate Court of Cuyahoga County	1	0	2	0	1	0	0	1	0	0
Magistrate Courts	1	1	0	0	0	0	0	0	0	0
Total	225	227	185	176	196	256	164	142	94	92

TABULATED STATEMENT OF CASES.—*Continued.*

CASES COMMENCED.

COURTS.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Supreme Court of the United States	0	0	0	0	0	0	0	1	0	0
Circuit Court of the United States	3	0	0	0	0	0	0	0	0	0
Supreme Court of Ohio	4	2	5	8	5	1	0	2	0	1
Circuit Court of Cuyahoga County	15	15	12	11	7	9	8	4	3	7
Common Pleas Court of Cuyahoga County	63	30	37	50	87	40	31	28	32	41
Probate Court of Cuyahoga County	7	15	7	3	6	5	4	7	5	5
Magistrate Courts	10	17	21	22	32	32	22	41	19	36
Total	102	79	82	94	137	87	65	83	59	90

TABULATED STATEMENT OF CASES.—*Continued.*

CASES DISPOSED OF.

COURTS.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Supreme Court of the United States	0	0	0	0	0	0	0	0	0	1
Circuit Court of the United States	2	0	0	0	0	2	1	1	1	0
Supreme Court of Ohio	5	2	0	9	3	9	3	1	1	0
Circuit Court of Cuyahoga County	9	13	17	9	7	11	7	4	12	8
Common Pleas Court of Cuyahoga County	73	75	45	32	28	120	52	76	31	53
Probate Court of Cuyahoga County	6	15	7	3	6	5	4	8	5	5
Magistrate Courts	10	17	23	21	33	32	21	41	19	36
Total	105	122	92	74	77	179	88	131	68	103

GENERAL STATEMENT OF CITY'S LITIGATION.

FOR THE PURPOSE OF SHOWING THE CITY'S LITIGATION FOR THE PAST TEN YEARS IN ALL THE COURTS, THE FOLLOWING IS A RECAPITULATION.

	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Cases pending at beginning of year	225	222	180	170	190	250	164	142	94	92
Cases commenced during the year	105	80	82	94	137	87	66	83	59	90
Cases pending at beginning of and commenced during the year	330	302	262	264	327	337	230	225	153	182
Cases disposed of during the year	108	122	92	74	77	179	88	131	68	103
Cases pending at end of the year	222	180	170	190	250	158	142	94	85	79

STATEMENT OF THE AMOUNT SOUGHT TO BE RECOVERED, AND THE AMOUNT ACTUALLY RECOVERED IN THE CASES PENDING AGAINST THE CITY FOR THE PAST TEN YEARS, WHEREIN DAMAGES TO THE PROPERTY AND PERSON OF THE LITIGANT WAS CLAIMED THROUGH THE ALLEGED FAULT OF THE CITY.

	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
In cases pending at the beginning of and instituted during the year	$535,181 20	$585,214 82	$603,205 29	$590,406 14	$584,665 64	*$564,657 40	*$402,513 82	*$376,663 65	*$328,835 24	*$371,601 93
In cases pending at the close of the year	425,766 71	509,179 53	411,535 92	457,326 47	439,687 10	394,112 93	286,507 50	293,826 60	231,094 92	245,360 41

*Actions in the Probate Court are not included in above table.

STATEMENT OF THE AMOUNT SOUGHT TO BE RECOVERED, AND THE AMOUNT ACTUALLY RECOVERED IN THE DISPOSED OF CASES AGAINST THE CITY FOR THE PRECEDING TEN YEARS, WHEREIN DAMAGE TO THE PROPERTY OR PERSON OF THE LITIGANT WAS CLAIMED THROUGH THE ALLEGED FAULT OF THE CITY.

Disposed of Cases.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Number of cases	108	122	92	74	77	179	88	131	68	103
Amount claimed	$ 48,742 60	$ 62,118 62	$ 83,992 44	$ 37,977 09	$ 80,629 72	$147,935 28	$ 42,466 24	$ 40,397 80	$ 97,740 32	$ 92,761 88
Amount recovered	379 00	560 81	8,926 69	9,341 59	1,836 01	815 60	2,185 32	11,272 34	240 32	14,251 05

The amounts involved in actions brought in the Probate Court are not included in the above table.

STATEMENT OF THE AMOUNT OF DAMAGES CLAIMED AND AWARDED TO PROPERTY OWNERS, CAUSED BY THE GRADING AND IMPROVING OF STREETS, IN CASES TRIED IN THE PROBATE COURT, FROM JANUARY 1, 1880, TO JANUARY 1, 1890.

	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Amount Claimed	.....	$ 1,022 50	$ 8,721 69	$ 5,770 07	$ 2,110 72	$ 2,370 28	$ 99,700 00	$ 11,500 00	$ 3,400 00	$ 10,150 00
Amount awarded	.....	324 00	1,205 00	2,896 74	836 01	815 60	39,324 12	1,040 00	759 16	3,064 79
Claimed more than awarded	.....	698 50	7,516 69	2,873 33	1,274 71	1,554 68	60,375 88	10,460 00	2,640 84	7,085 21

REPORTS.

The following papers have been referred to this department, and reported upon during the year 1889:

Ordinances	249
Petitions (including search of titles)	96
Remonstrances (including search of titles)	88
Contracts	173
Bonds	322
Allotment plats	24
Communications from boards	296
Resolutions	160
Claims	48
Applications	66
Deeds	12
Leases	8
Total	1,542

LAW BOOKS.

The following list of law books has been added to the Library, in the office of the City Solicitor, during the year 1889:

Vol. 21.—Weekly Law Bulletin.
" 22.— " " "
" 7.—American and English Encyclopedia of Law.
" 8.— " " " " "
" 9.— " " " " "
" 10.— " " " " "
" 22.— " " " Corporation Cases.
" 23.— " " " " "
" 24.— " " " " "
" 25.— " " " " "
" 18.—North-eastern Reporter.
" 19.— " "
" 20.— " "
" 21.— " "

Vol. 40.—North-western Reporter.
" 41.— " "
" 42.— " "
" 16.—Atlantic Reporter.
" 17.— " "
" 19.—Pacific Reporter.
" 20.— " "
" 21.— " "
" 9.—South-western Reporter.
" 10.— " "
" 11.— " "
" 7.—South-eastern Reporter.
" 5.—Southern Reporter.
" 23.—American Law Register.
1 Vol.—American Digest, for 1888.
2 Vols.—Complete Digest, for 1887.
1 Vol.— " " " 1888.
1 " — " " to July, 1889.
4 " —Revised Statutes of Ohio.
1 " —Geauques Supplement.
2 " —Thompson on Negligence.
1 " —Peck's Municipal Code.
Total number volumes during year, 41.
Total number volumes in Library January 1, 1889, 318.

In addition to above list, there is a complete set of "Ohio Laws," "Annual Reports," and City Directories, since 1880.

Report of Police Commissioners.

BOARD OF POLICE COMMISSIONERS.

GEORGE W. GARDNER,

Mayor and President.

COMMISSIONERS.

I. L. MORRIS, FRANK D. BOSWORTH,

JAMES McNEIL, E. B. CORNELL.

JOHN VANEK, Secretary.

F. B. NORTON, Surgeon.

J. W. SCHMITT, Superintendent.

JAMES McMAHON, Deputy Superintendent.

HENRY HOEHN, Captain.

E. K. HUTCHINSON, Captain.

M. F. MADIGAN, Captain.

A. S. GATES, Captain.

At the municipal election in April, 1889, Mr. E. B. Cornell was elected Police Commissioner for the term of four years, in place of Mr. J. H. Bradner, whose term of office expired.

REPORT

OF THE

BOARD OF POLICE COMMISSIONERS

OF THE

CITY OF CLEVELAND.

OFFICE OF THE BOARD OF POLICE COMMISSIONERS,
CLEVELAND, January 1st, 1890.

To the Honorable the City Council:

GENTLEMEN:—In accordance with law we have the honor to submit herewith the report of this Department for the year ending December 31, 1889.

The total expenditures of the Department during the year as shown in detail by the report of the Secretary, a copy of which is hereunto appended, was $324,128.80, of which sum $277,303.59 was paid for salaries, $22,537.75 for building of the new Eighth Precinct Station, $2,238.38 for the building of Patrol Station No. 3, $1,625.00 for twenty-five additional patrol boxes, $500.00 reward to heirs of the late Sheriff Lynch, of Alpena, and $19,924.08 for rents, repairs of stations, fuel, lighting, horses, supplies, etc., being an increase of $67,776.13 over the expenditures in 1888.

The estimated Resources for 1890 are as follows:

City Auditor's estimate of tax levy,	$176,901.69
" " " " liquor tax,	98,290.82
From Police Court Fund	16,000.00
From Contingent,	6,500.00
Balance in Police Department Fund Jan'y 1, 1890,	6,289.74
Total Resources,	$303,982.25

The estimated Expenditures for 1890 are as follows:

Salaries as reduced to minimum rate,	$296,000.00
All other claims,	20,000.00
Already advanced for November, 1889, salaries,	35,000.00
	$351,000.00

Thus it will be seen that the expenditures in 1890 will be $47,017.75 larger than the resources, and that no provision has been made for the completion of the new Eighth Precinct Station, or for any extraordinary expenses that may be incurred during the year.

In our last report your attention was called to the disgraceful condition of the Central Station on Champlain street, which, with its unclean, cramped and limited quarters, is a great injustice to this Department, and a disgrace to our beautiful city. No steps have been taken towards the erection of a new building.

The Second and Third Precinct station houses are in good condition; the stone cells should be substituted with iron cages.

The rooms and houses of the Fourth, Fifth, Eighth and Eleventh Precincts are leased by the city, but neither of them are suitable for police stations, requiring constant repairs, and as a matter of economy it is to be hoped that the city will soon build its own houses in these Precincts.

The station houses of the Sixth, Seventh, Ninth and Tenth Precincts, with some repairs, are in good habitable condition.

The new Eighth Precinct Station, of the most approved plans, in course of erection, will not only be a great convenience to this Department but an ornament in that part of the city.

Adjoining this station will be the new Patrol station No. 2.

The buildings are under roof, and further work must be postponed until the necessary sum of $30,845.83 is provided to complete the same.

The barn on Champlain street used for Patrol station No. 1 is leased; the lease having expired, a temporary barn will be erected on Long street on the Central Station lot, which will be more suitable for that purpose.

A new Patrol station, known as No. 3, has been established in the Second Precinct, a suitable barn erected on Oregon street, near the Second Precinct station house, and twenty-five new six-call boxes provided for this District, which covers the territory between Dodge street and Willson avenue and between Payne avenue and the Lake Shore.

During the year, the Force was increased by the appointment of 77 men, viz: 1 Surgeon, 1 Captain, 1 Lieutenant, 4 Sergeants, 70 Patrolmen.

There are four vacancies of patrolmen not filled, occasioned by the removal of two, by resignation of one, and by promotion one.

Very respectfully,

GEO. W. GARDNER, Mayor and Pres't.
I. L. MORRIS,
JAMES McNEIL,
FRANK D. BOSWORTH,
E. B. CORNELL,
Commissioners.

JOHN VANEK, *Secretary.*

Secretary's Report.

OFFICE OF THE
SECRETARY OF THE BOARD OF POLICE COMMISSIONERS,
CLEVELAND, O., January 1, 1890.

To the Honorable Board of Police Commissioners:

GENTLEMEN:—I herewith submit the following report of the *personnel*, operations of the force of the Police Department, and the condition of the several funds and accounts for the year ending December 31st, 1889.

Very respectfully,

JOHN VANEK, *Secretary.*

On the first day of January, 1889, as appears from the last report, the Police Force of the city, including all other officers and employes of the Department, consisted of 1 Superintendent, 1 Deputy Superintendent, 3 Captains, 15 Lieutenants, 10 Detectives, 10 Sergeants, 182 Patrolmen, 1 Secretary, 1 Surgeon, 1 Matron, 1 Superintendent of Telegraph and Telephone, 1 Lineman, 3 Operators, 4 Drivers of Patrol Wagons, 6 Janitors and 1 Fireman, total 241.

The total number of men constituting the Police Force at date is 295, and all other officers and employes of the Department 21; total 316, viz:

1 Superintendent.
1 Deputy Superintendent.
1 Police Surgeon.
4 Captains.
16 Lieutenants.
10 Detectives.
14 Sergeants.
248 Patrolmen.
1 Secretary.
1 Matron.
6 Janitors.
1 Fireman.
1 Doorman.
6 Drivers of Patrol Wagons.
1 Superintendent of Telegraph and Telephone.
3 Operators.
1 Lineman.

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Being an increase of 1 Captain, 1 Lieutenant, 1 Police Surgeon, 4 Sergeants, 66 Patrolmen, 2 Drivers and 1 Doorman, total 75.

This force and officers are distributed for duty in the different places and precincts throughout the city as follows:

POLICE HEADQUARTERS.

CITY HALL.

Superintendent, Room 17,	1
Secretary, Room 15,	1
Sergeant, detailed to Secretary, Room 15,	1
Surgeon, Room 15,	1
Detectives, Room 21,	10
Sergeant, detailed to Superintendent,	1
Superintendent Telegraph and Telephone, Room 16,	1
Lineman, Room 16,	1
Operators, Room 16,	3
Total,	20

I. DISTRICT.

FIRST PRECINCT STATION.

CHAMPLAIN STREET.

At this station there are 80 officers, men and other employes, as follows:

Deputy Superintendent,	1
Captains,	2
Lieutenants,	3
Sergeants,	3
Patrolmen,	65
Janitors,	3
Fireman,	1
Matron,	1
Doorman,	1
Total,	80

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF FIRST PRECINCT.—From the lake shore along Erie street to Euclid avenue, along Euclid avenue to Brownell street, along Brownell street to Woodland avenue, along Woodland avenue to Cross street, along Cross street to the river, up the river to the N. Y., P. & O. railroad bridge and track, along the track west to Columbus street bridge and Cuyahoga river, along the river down to the lake, along the lake shore east to Erie street.

PATROL STATION NO. 1.

CHAMPLAIN STREET.

At this station there are 4 Patrolmen, of which 2 are acting

as Sergeants	4
Drivers,	2
Total,	6

SECOND PRECINCT STATION.

CORNER OF OREGON AND OLIVER STREETS.

At this station there are 22 officers and men, as follows:

Lieutenants,	2
Sergeant,	1
Patrolmen,	18
Janitor,	1
Total,	22

BOUNDARIES OF SECOND PRECINCT.—From Erie street along the lake shore to Case avenue, along Case avenue to Euclid avenue, along Euclid avenue to Erie street, and along Erie street to the lake shore.

PATROL STATION NO. 3.

OREGON STREET.

At this station there are 4 Patrolmen, of which 2 are acting

as Sergeants,	4
Drivers,	2
Total,	6

II. DISTRICT.

THIRD PRECINCT STATION.

FOREST STREET.

At this station there are 23 officers and men, as follows:

Captain,	1
Lieutenants,	2
Patrolmen,	19
Janitor,	1
Total,	23

Two of the Patrolmen acting as Sergeants.

BOUNDARIES OF THIRD PRECINCT.—From Euclid avenue along Brownell street to Woodland avenue, to Cross street, to the river, to Kingsbury Run, to Willson avenue, to Garden street, to Sterling avenue, to Euclid avenue, to Brownell street.

FOURTH PRECINCT STATION.

WILLSON, NEAR EUCLID AVENUE.

At this station there are 22 officers and men, as follows:

Lieutenants,	2
Patrolmen,	20
Total,	22

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF FOURTH PRECINCT.—From the lake shore along Case avenue to Euclid avenue, along Euclid avenue to Sterling avenue, along Sterling avenue to Garden street, along Garden street to East Madison avenue, along East Madison avenue north to Becker avenue, along Becker avenue to the lake shore, along the lake shore to Case avenue.

FIFTH PRECINCT STATION.

GUARD STREET.

At this station there are 15 officers and men, as follows:

Sergeants,	2
Patrolmen,	13
Total,	15

BOUNDARIES OF FIFTH PRECINCT.—From corner Willson avenue and Garden street, along Garden street to East Madison avenue, along East Madison avenue to Quincy street, along Quincy street to city limits, along the city limits to Kinsman street, along Kinsman street to the south branch of Kingsbury Run, along Kingsbury Run to Willson avenue, and along Willson avenue to Garden street.

SIXTH PRECINCT STATION.

WILLSON, NEAR BROADWAY.

At this station there are 16 officers and men, as follows:

Sergeants,	2
Patrolmen,	14
Total,	16

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF SIXTH PRECINCT.—From Kingsbury Run along the river south to the city limits, to Ackley avenue, to Union street, to city limits, to Kingsbury Run, to the river.

SEVENTH PRECINCT STATION.

WALES STREET.

At this station there are 18 officers and men, as follows:

Lieutenants,	2
Patrolmen,	16
Total,	18

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF SEVENTH PRECINCT.—From Union street along Ackley avenue to Fleet street, to city limits west, to city limits south, to city limits east, to Union street, to Ackley avenue.

ELEVENTH PRECINCT STATION.

1928 EUCLID AVENUE.

At this station there are 14 officers and men, as follows:

Patrolmen,	14

Two of the Patrolmen acting as Sergeants.

BOUNDARIES OF THE ELEVENTH PRECINCT.—From the lake shore along the city limits to Becker avenue, along Becker avenue to East Madison avenue, along East Madison avenue south to Quincy street, along Quincy street to the city limits, and along the city limits east and north to St. Clair street, and along St. Clair street west to East Madison avenue.

III. DISTRICT.

EIGHTH PRECINCT STATION.

DETROIT STREET.

At this station there are 35 officers and men, as follows:

Captain,	1
Lieutenants,	2
Sergeant,	1
Patrolmen,	30
Janitor,	1
Total,	35

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF EIGHTH PRECINCT.—From the lake shore up the Cuyahoga river to the Columbus street bridge and the N. Y., P. & O. railroad track, along said track to the crossing of C., C., C. & I. railway track, along the C., C., C. & I. railway track to Burton street, along Burton street to Randall street, along Randall street to Harbor

street, along Harbor street to Franklin avenue, along Franklin avenue to the city limits, along the city limits to the lake shore, along the lake shore to the Cuyahoga river.

PATROL STATION NO. 2.

148 HANOVER STREET.

At this station there are 4 Patrolmen, of which 2 are acting as Sergeants, ... 4
Drivers, ... 2

Total, ... 6

NINTH PRECINCT STATION.

BARBER AVENUE.

At this station there are 15 officers and men, as follows:

Lieutenant, ... 1
Sergeant, ... 1
Patrolmen, ... 13

Total, ... 15

BOUNDARIES OF NINTH PRECINCT.—From the N. Y., P. & O. railroad track, along C., C., C. & I. railway track to Burton street, along Burton street to city limits, along city limits to the Cuyahoga river, down the river to the N. Y., P. & O. railroad bridge and track, along said track to the crossing of the C., C., C. & I. railway track.

TENTH PRECINCT STATION.

SWISS STREET.

At this station there are 18 officers and men, as follows:

Lieutenants, ... 2
Patrolmen, ... 16

Total, ... 18

One of the Patrolmen acting as Sergeant.

BOUNDARIES OF TENTH PRECINCT.— From Harbor street and Franklin avenue, along Franklin avenue to the city limits, along the city limits to Burton street, along Burton street to Randall street, along Randall to Harbor street, and along Harbor to Franklin avenue.

THE FORCE, ON DECEMBER 31, 1889.

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Superintendent	J. W. Schmitt	Germany	May 1, 1866	
Deputy Superintendent	James McMahon	Ireland	May 1, 1866	
Captain	Henry Hoehn	Germany	May 1, 1866	
"	E. K. Hutchinson	United States	April 12, 1876	
"	M. F. Madigan	Ireland	May 1, 1866	
"	A. S. Gates	United States	November 13, 1871	Promoted as Captain February 19, 1889.
Police Surgeon	F. B. Norton	"	September 13, 1887	Reappointed March 14, 1889.
Lieutenant	Conrad Koch	Germany	May 30, 1866	
"	Frank Wagner	"	June 23, 1869	
"	John Shriber	United States	April 6, 1870	
"	John Barrow	"	August 8, 1867	
"	M. English	Ireland	April 8, 1871	
"	S. Kushman	United States	April 25, 1868	
"	J. P. Norton	Ireland	May 8, 1868	
"	Thomas Thompson	England	May 15, 1867	
"	Josiah Johnson	United States	July 19, 1871	
"	John Dunn	"	December 30, 1870	
"	George Kadel	Germany	April 29, 1870	
"	Geo. W. Broadwell	United States	April 14, 1877	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Lieutenant	P. A. Searles	United States	November 2, 1871	
"	Jacob Stein	Germany	July 18, 1866	
"	John Burns	Ireland	May 8, 1868	Promoted as Lieutenant, February 19, 1889.
"	A. Eitelman	Germany	May 1, 1866	Promoted as Lieutenant, February 19, 1889.
Detective	Charles McHannon	United States	May 8, 1868	
"	J. J. Lohrer	Germany	May 1, 1866	
"	A. A. Lawrence	England	May 1, 1866	
"	John Reeves	Ireland	May 13, 1875	
"	F. Gallagher	"	September 7, 1871	
"	F. R. Humphrey	England	September 7, 1871	
"	A. McMillan	Canada	February 23, 1872	
"	E. T. Granger	United States	September 7, 1871	
"	Francis Douglas	Ireland	November 13, 1871	
"	John F. Sprosty	Bohemia	November 6, 1872	
Sergeant	E. W. Bradley	United States	April 29, 1875	
"	John O'Laughlin	Ireland	February 12, 1873	Detailed as Court Officer.
"	Patrick Corkill	"	April 13, 1869	
"	Charles Tressel	Germany	November 29, 1869	
"	J. F. Megerth	Switzerland	May 2, 1872	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Sergeant	Geo. J. Griffin	United States	July 12, 1870	
"	E. Shipman	England	January 31, 1871	
"	H. A. Cordes	United States	July 29, 1868	
"	J. W. Varner	"	January 21, 1878	Promoted as Sergeant, February 19, 1889.
"	G. F. Mog	"	August 3, 1881	Promoted as Sergeant, February 19, 1889.
"	W. A. Sherman	"	November 6, 1872	Promoted as Sergeant, February 19, 1889.
"	M. F. Wood	"	May 20, 1877	Promoted as Sergeant, March 14, 1889, and detailed to Secretary.
"	D. W. McCready	"	March 6, 1878	Promoted as Sergeant, June 18, 1889, and detailed to Superintendent.
"	Wm. Jenkin	England	January 20, 1882	Promoted as Sergeant, December 17, 1889.
Patrolman No. 1	William Anthony	United States	June 27, 1873	Detailed at N. Y., P. & O. R. R. Depot.
" 2	Henry Brunner	"	March 11, 1882	
" 3	Joseph Stadler	Germany	September 16, 1876	
" 4	C. E. Parker	United States	December 28, 1882	
" 5	J. W. Clark	"	May 20, 1884	
" 6	A. J. Marx	Germany	September 14, 1870	
" 7	J. T. Bashold	"	January 8, 1875	
" 8	Geo. B. Erwin	United States	April 19, 1881	Detailed as Acting Sergeant.
" 9	A. Manzelman	Germany	April 20, 1872	Detailed at Alabama Street Crossing.
" 10	Philip Siegrist	"	May 8, 1888	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 11	M. Ostermeyer	Germany	August 7, 1867	
" 12	B. Rosenfelder	"	May 1, 1866	
" 13	Leo J. Kolaszewski	Poland	May 8, 1888	
" 14	Wm. D. Jones	Wales	June 18, 1889	
" 15	C. C. Thomas	United States	September 21, 1872	
" 16	John Veigel	"	December 27, 1884	
" 17	Wm. Hildebrand	Germany	September 21, 1872	Detailed as Turnkey, Central Station.
" 18	Phillip Haggerty	Ireland	May 1, 1866	Detailed at Union Passenger Depot.
" 19	Wm. Bradford	England	June 17, 1884	
" 20	Michael Fergus	United States	September 11, 1888	
" 21	Peter Wilson	England	April 9, 1873	
" 22	Joseph O'Brien	Ireland	December 28, 1882	
" 23	Wm. Mylechraine	Isle of Man	February 23, 1872	
" 24	John Buechler	Germany	May 1, 1872	Acting as Sergeant, Patrol Station No. 2.
" 25	Henry Jacobson	"	May 8, 1888	
" 26	Joseph Kreuzel	"	December 2, 1875	
" 27	P. J. Neary	Ireland	April 17, 1888	
" 28	T. Hathaway	United States	April 20, 1872	
" 29	James Hanley	Ireland	April 22, 1886	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 30	John Williams	Nova Scotia	April 20, 1872	Acting as Sergeant Patrol Station No. 3.
" 31	W. W. Robinson	Canada	December 18, 1885	
" 32	Wm. Vogel	Germany	July 21, 1871	
" 33	G. A. Domino	"	January 17, 1875	
" 34	Mathew Maresh	Bohemia	January 13, 1885	
" 35	W. R. Hayman	England	May 1, 1888	
" 36	Chas. O. Klane	United States	May 2, 1882	Acting as Sergeant Patrol Station No. 1.
" 37	Mathew Conway	"	May 8, 1888	
" 38	Michael Mullee	Ireland	October 8, 1888	
" 39	John Cummings	Canada	March 25, 1889	
" 40	J. M. Brooks	Bavaria	May 4, 1880	Acting as Sergeant.
" 41	S. D. Mell	United States	April 30, 1873	
" 42	E. Durchschlag	"	December 7, 1886	
" 43	Chas. N. Lyle	Canada	May 8, 1888	
" 44	Christ. Hennes	Germany	September 23, 1879	
" 45	Wm. M. Tucker	United States	June 3, 1881	
" 46	Jacob Ganss	Germany	May 30, 1866	
" 47	P. O'Malley	Ireland	June 10, 1875	
" 48	Charles Saunders	England	January 19, 1886	Detailed as Sergeant.

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 49	Wm H. Probst	United States	February 4, 1886	
" 50	Daniel Mack	Ireland	October 17, 1882	
" 51	H. T. Felhaber	Germany	April 6, 1877	Detailed as Sergeant.
" 52	M. M. McElhaney	United States	May 4, 1886	
" 53	Wm. Mehner	"	January 20, 1882	
" 54	John O'Donnell	Ireland	October 28, 1884	
" 55	M. E. O'Malley	United States	May 8, 1888	
" 56	Charles Sanders	Germany	February 18, 1887	
" 57	W. J. Flanigan	United States	May 22, 1879	
" 58	Herman Prange	Germany	January 19, 1886	
" 59	Wm. Watt	Scotland	May 18, 1886	
" 60	P. J. Carbeck	United States	August 1, 1882	
" 61	John C. Kampfe	"	November 20, 1883	
" 62	James Lenahan	Ireland	July 19, 1882	
" 63	P. F. McIntyre	"	June 4, 1889	
" 64	H. W. Motter	United States	May 14, 1884	
" 65	John Sprankel	Germany	November 26, 1874	Acting as Sergeant.
" 66	August Sommer	"	December 24, 1883	
" 67	Fred. Doering	United States	March 6, 1888	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 68	John Quinn	Ireland	May 16, 1871	
" 69	Alex. Skarupsky	Poland	December 18, 1885	
" 70	J. H. Koehler	United States	May 4, 1886	
" 71	W. S. Rowe	"	May 18, 1880	Detailed as License Officer.
" 72	Henry Carroll	Ireland	June 15, 1886	
" 73	Paul J. Luehrs	Heligoland	April 28, 1872	
" 74	T. H. Bidlingmyer	United States	March 6, 1888	
" 75	F. H. Brooks	"	July 22, 1884	
" 76	W. Chapman	"	January 19, 1886	
" 77	Timothy McDonnough	"	September 3, 1889	
" 78	Martin Reddy	Ireland	September 18, 1883	
" 79	Patrick Hines	United States	February 26, 1889	
" 80	J. C. Denzer	"	November 27, 1878	Acting as Sergeant, at Patrol Station No. 1.
" 81	Alfred Walker	England	June 29, 1886	
" 82	James F. Kernan	United States	April 12, 1887	
" 83	John Caldwell	"	April 15, 1884	
" 84	F. B. Eustace	"	April 19, 1875	Detailed as Turnkey.
" 85	John McCormack	Ireland	April 3, 1874	
" 86	A. J. Barnes	United States	September 7, 1871	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 87	A. M. Blood	United States	November 26, 1874	Acting as Sergeant.
" 88	Daniel Cantillon	Ireland	January 29, 1875	
" 89	John Britton	"	December 24, 1883	
" 90	L. A. DeCelle	United States	March 1, 1881	
" 91	Geo. E. Corner	"	April 20, 1880	Acting as Sergeant.
" 92	M. F. Silsby	"	March 26, 1873	
" 93	M. W. Murphy	"	September 7, 1871	
" 94	Patrick Kennedy	Ireland	June 10, 1875	
" 95	Henry Kramer	United States	December 24, 1883	
" 96	N. H. Sheehan	Ireland	April 12, 1887	
" 97	Henry Seibel	United States	February 5, 1873	
" 98	Joseph Ralph	Ireland	May 8, 1888	
" 99	F. J. Lambert	Germany	November 2, 1871	
" 100	F. C. Lauser	"	November 23, 1872	
" 101	Burton Holcomb	United States	October 8, 1889	
" 102	Frank McDonnell	"	October 7, 1884	
" 103	Frank Kulas	Bohemia	May 16, 1878	
" 104	John H. Mangan	Ireland	September 18, 1875	Acting as Sergeant.
" 105	Charles McMasters	United States	November 27, 1878	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 106	George Demaline	United States	March 18, 1880	
" 107	Charles Dangler	"	April 9, 1877	
" 108	Geo. D. Scott	"	September 21, 1878	
" 109	T. J. Gallagher	Ireland	June 5, 1888	
" 110	Wm. Schneider	Germany	June 3, 1881	
" 111	Patrick Farragher	Ireland	February 26, 1889	
" 112	D. T. Hayes	"	April 15, 1884	
" 113	Stewart Hart	Canada	November 13, 1883	
" 114	John McGraw	Ireland	April 6, 1877	Detailed at Union Passenger Depot.
" 115	William O'Brien	"	January 13, 1873	
" 116	Ernest A. Bleasdale	United States	September 18, 1888	
" 117	Jacob Rees	"	June 10, 1882	
" 118	Philip Heege	Germany	February 5, 1873	
" 119	August Brandt	"	April 22, 1886	
" 120	Silas Pierce	United States	April 22, 1886	
" 121	M. H. Stofer	"	February 5, 1873	Detailed for Court Duty.
" 122	James T. Madden	"	December 22, 1885	
" 123	Wm. Schnearline	"	November 26, 1874	Detailed for Court Duty.
" 124	John Schmunk	"	January 15, 1881	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 125	S. L. Miller	United States	January 25, 1872	Detailed at Willson avenue crossing.
" 126	Charles Schroeder	"	November 27, 1878	Acting as Sergeant.
" 127	Fredrick Fischer	Germany	December 20, 1887	
" 128	M. Cunneen	Ireland	July 3, 1883	
" 129				Vacancy.
" 130	John McCabe	Ireland	July 2, 1883	
" 131	J. J. Doyle	Canada	June 6, 1882	
" 132	M. J. Regan	Ireland	June 6, 1882	
" 133	Henry Hageman	United States	July 13, 1886	
" 134	E. R. Bennett	"	November 7, 1882	
" 135	John Carroll	Ireland	November 7, 1882	
" 136	Edward Corrigan	"	August 9, 1887	
" 137	John Gavin	"	November 3, 1885	
" 138	Parker Hare	United States	November 7, 1882	
" 139	Thomas Commerford	Ireland	December 31, 1886	
" 140	J. W. Flavin	United States	December 28, 1882	
" 141	Geo. J. Keidel	"	July 10, 1883	
" 142	Michael O'Hara	"	August 7, 1883	
" 143	Joseph Wittaker	"	November 13, 1883	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 144	John J. Connell	United States	December 20, 1887	
" 145	S. S. Minor	"	August 7, 1883	
" 146				Vacancy.
" 147	C. J. Creter	Germany	August 7, 1883	
" 148	Frank Iles	Canada	August 7, 1883	
" 149	Patrick Ruddy	Ireland	August 7, 1883	
" 150	Leonard Cummiskey	United States	February 26, 1889	
" 151	Hugh Masterson	"	August 7, 1883	Detailed as Sergeant at Patrol Station No. 3.
" 152	John Corrigan	Ireland	August 7, 1883	
" 153	F. E. Brown	United States	February 21, 1888	
" 154	James Cullen	Ireland	August 7, 1883	
" 155	Geo. A. Kadel	United States	June 3, 1886	
" 156	Michael McGrath	Ireland	February 26, 1889	
" 157	Chas. L. Weisbarth	United States	March 20, 1888	
" 158	Richard Barrow, Jr.	"	February 18, 1887	
" 159	Wm. Fitzgerald	"	August 7, 1883	
" 160	John E. Gallagher	"	July 17, 1888	
" 161	August Wedig	Germany	August 7, 1883	
" 162	C. W. Robinson	Canada	August 7, 1883	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 163	E. F. Washington	United States	August 7, 1883	
" 164	A. McKnight	"	August 7, 1883	
" 165	James Doran	Canada	April 15, 1884	
" 166	John Mahony	"	August 21, 1883	
" 167	Joseph Sweeney	Ireland	August 21, 1883	
" 168	Kinsy Fife	United States	June 14, 1887	
" 169	D. J. Cook	"	September 16, 1885	
" 170	H. M. Mershon	"	January 11, 1887	
" 171	M. K. Cary	"	October 22, 1888	
" 172	Frank V. Bash	Poland	June 21, 1887	
" 173	M. Masterson	Ireland	January 11, 1887	
" 174	C. L. Meacham	United States	January 11, 1887	
" 175	John Anderson, Jr.	"	January 13, 1887	
" 176	H. J. Simpson	"	February 5, 1889	
" 177	James McNally	"	March 15, 1887	
" 178	Patrick Breheny	Ireland	March 15, 1887	
" 179	Wm. McAleer	"	March 22, 1887	
" 180	R. C. McDonnell	United States	March 15, 1887	
" 181	Frank A. Kelly	"	March 15, 1887	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 182.	Thomas W. Whalen	United States	June 4, 1889	
" 183	James Hilliard	Ireland	February 1, 1889	
" 184	C. A. DeHoudt	United States	February 1, 1889	
" 185	Miles Moulton	"	February 1, 1889	
" 186	Thomas J. Hogan	Ireland	February 1, 1889	
" 187	F. A. Barber	United States	February 1, 1889	
" 188	D. D. Seely	"	February 1, 1889	
" 189	J. E. Wade	"	February 1, 1889	
" 190	J. H. Stein	"	February 1, 1889	
" 191	M. J. Howlett	"	February 1, 1889	
" 192	Edward Kelly	"	February 1, 1889	
" 193	James Collins	"	February 1, 1889	
" 194	Otto Jirele	"	February 1, 1889	
" 195	Thomas McGinty	"	February 1, 1889	
" 196	Fred. Winchester	"	February 1, 1889	
" 197	Geo. M. Gregory	"	February 1, 1889	
" 198	N. I. Engelhardt	Germany	February 1, 1889	
" 199	T. J. Comerford	United States	February 1, 1889	
" 200	E. L. Potts	"	February 1, 1889	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 201	Harry Davis	United States	February 1, 1889	
" 202	H. A. Gerow	Canada	February 1, 1889	
" 203	James Meehan	England	July 16, 1889	
" 204	Patrick Connors	"	July 16, 1889	
" 205	Ephraim Brown	United States	July 16, 1889	
" 206	Richard McDonnell	"	July 16, 1889	
" 207	Dennis E. Murphy	"	July 16, 1889	
" 208	Wm. J. Thorpe	"	July 16, 1889	
" 209	F. J. Moore	Ireland	July 16, 1889	
" 210	N. A. Shattuck	United States	July 16, 1889	
" 211	Patrick Masterson	"	July 16, 1889	
" 212	A. C. McElroy	"	July 16, 1889	
" 213	Jacob Burghart	"	July 16, 1889	
" 214	M. Fitzgerald	"	July 16, 1889	
" 215	John J. Richards	"	July 16, 1889	
" 216	P. J. Mylett	Ireland	July 16, 1889	
" 217	Fred Kohler	United States	July 16, 1889	
" 218	Geo. W. Carey	"	July 16, 1889	
" 219	James J. Martin	"	July 16, 1889	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 220	John E. Jones	United States	July 16, 1889	
" 221	Michael Gallagher	Ireland	July 16, 1889	
" 222				Vacancy.
" 223	J. H. Kleinman	United States	July 16, 1889	
" 224	J. E. Gannon	"	July 16, 1889	
" 225	Albert Isaac	Canada	July 16, 1889	
" 226	Martin Patton	Ireland	July 16, 1889	
" 227	W. H. Mooney	England	July 16, 1889	
" 228	J. M. Farr	United States	September 3, 1889	
" 229	Joseph Kilbane	Ireland	July 16, 1889	
" 230	Hugh McTigue	United States	July 16, 1889	
" 231	Thomas Madden	"	July 16, 1889	
" 232				Vacancy.
" 233	Wm. O'Laughlin	United States	July 16, 1889	
" 234	Michael Gilbride	"	July 16, 1889	
" 235	Wm. Bannett	Ireland	July 16, 1889	
" 236	M. J. Dempsey	"	July 16, 1889	
" 237	E. J. Hannan	United States	July 16, 1889	
" 238	Frank Hoenig	"	July 16, 1889	

THE FORCE, ON DECEMBER 31, 1889.—*Continued.*

Rank.	Name.	Nativity.	First entry into Service under Metropolitan Law.	Remarks.
Patrolman No. 239	Peter Regan	Ireland	July 16, 1889	
" 240	E. W. Boulton	United States	July 16, 1889	
" 241	J. M. Morgan	"	July 16, 1889	
" 242	Edward Bayton	England	July 16, 1889	
" 243	Thos. H. Porter	United States	July 16, 1889	
" 244	Evan Corns	Wales	July 16, 1889	
" 245	H. D. Lloyd	United States	July 16, 1889	
" 246	Wm. F. Guenther	"	July 16, 1889	
" 247	Chas. H. Durfy	"	July 16, 1889	
" 248	H. W. Hackenberg	"	July 16, 1889	
" 249	J. F. Kurtz	"	July 24, 1889	
" 250	Chas. Shafranek	Bohemia	July 24, 1889	
" 251	Chas. A. Harris	United States	July 24, 1889	
" 252	Chas. Hawkins	"	July 24, 1889	

NATIONALITY OF MEMBERS OF THE POLICE FORCE.

BIRTH PLACE.	
United States	156
Ireland	59
Germany	40
England	14
Canada	12
Bohemia	4
Scotland	1
Poland	3
Isle of Man	1
Switzerland	1
Heligoland	1
Nova Scotia	1
Wales	2
Total	295

OFFICERS AND EMPLOYES OF THE DEPARTMENT.

Rank.	Name.	Appointed.	Remarks.
Secretary	John Vanek	July 1, 1887.	Office, Room 15, City Hall.
Matron	Anna Clark	Sept. 13, "	At Central Station.
Supt. Telg'ph & Telph'ne	W. M. Grant	Aug. 2, "	Office, Room 16, City Hall.
Lineman	Jerry Murphy	Aug. 2, "	" " "
Operator	Thomas McNeil	June 7, "	" " "
"	J. C. Hutchinson	Aug. 16, "	" " "
"	E. H. McLean	Aug. 1, 1888.	" " "
Driver	J. W. Morgan	Oct. 2, "	Patrol Station No. 1.
"	Frank Grime	Oct. 2, "	" " 1.
"	Courtney B. Lee	Oct. 2, "	" " 2.
"	L. E. Bouker	Oct. 2, "	" " 2.
"	John Burke	Nov. 22, 1889.	" " 3.
"	Wm. Roberts	Nov. 22, "	" " 3.
Janitor	C. P. Connant	April 23, 1889.	At Central Station.
"	Charles Rugger	April 23, "	" "
"	John F. Chaffin	Oct. 2, "	" "
"	O. Wetzel	June 30, 1885.	At 3rd Precinct Station.
"	Alex. Morison	Feb. 21, 1888.	" 8th " "
"	Stephen Kissinger	April 16, 1889.	" 2nd " "
Fireman	Geo. M. Pirie	Oct. 10, "	" Central Station.
Doorman	L. Rubinstein	July 31, "	Act. as Interp'ter Police Ct.

CHANGES IN THE DEPARTMENT DURING THE YEAR.

	Superintendent.	Deputy Superintendent	Captains.	Lieutenants.	Detectives.	Sergeants.	Patrolmen.	Secretary.	Surgeon.	Supt. Telg'ph & Telph'ne.	Lineman.	Operators.	Janitors.	Fireman.	Matron.	Drivers.	Doorman.	Total.
Remaining Dec. 31, 1888	1	1	3	15	10	10	182	1	1	1	1	3	6	1	1	4	.....	.....
Appointed	.....	.....	1	2	.....	6	83	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....
Total increase	1	1	4	17	10	16	265	1	1	1	1	3	6	1	1	6	1	336
Resigned	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dismissed	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pensioned	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Promoted	.....	.....	.....	1	.....	2	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Died	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total decrease	.....	.....	.....	1	.....	2	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Remaining Dec. 31, 1889	1	1	4	16	10	14	248	1	1	1	1	3	6	1	1	6	1	316

PROMOTIONS OF MEMBERS OF THE FORCE DURING THE YEAR.

Rank.	Name.	Promoted to	Date.
Lieutenant	A. S. Gates	Captain	February 19, 1889
Sergeant	John Burns	Lieutenant	" "
"	A. Eitelman	"	" "
Patrolman No. 79	J. W. Varner	Sergeant	" "
" 77	G. F. Mog	"	" "
" 111	W. A. Sherman	"	" "
" 39	M. F. Wood	"	March 14, "
" 14	D. W. McCready	"	June 18, "
" 129	Wm. Jenkin	"	December 17, "
" 48	Charles Saunders	Act. Sergeant	February 19, "
" 51	H. T. Felhaber	" "	" "
" 8	Geo. B. Erwin	" "	August 20, "
" 80	J. C. Denzer	" "	September 24, "
" 24	John Buechler	" "	" "
" 36	Chas. O. Klane	" "	" "

RESIGNATIONS DURING THE YEAR.

Rank.	Name.	Date.
Patrolman No. 228	Patrick Mangan	September 3, 1889.
" 146	J. A. Albren	November 22, 1889.

RETIRED AND PLACED ON PENSION ROLL.

Rank.	Name.	Date.
Patrolman No. 101	Charles Fischer	October 1, 1889.

DISMISSALS OF MEMBERS OF THE FORCE DURING THE YEAR.

Rank.	Name.	Date.	Cause.
Patrolman No. 156	Anton Dielman	February 26, 1889.	Intoxication.
" 150	John Miller	February 26, "	"
" 77	H. Bringman	September 3, "	Physical disability.
" 232	Thos. McGlynn	November 22, "	Neglect of duty.
" 222	P. M. Johnson	November 26, "	Physical disability.

TRIALS UPON CHARGES AGAINST MEMBERS OF THE FORCE DURING THE YEAR.

Rank.	No.	Name.	Charge.	Date.	Sentence.
Patrolman	63	E. H. Boynton	Neglect of duty	Jan. 15, 1889.	Found guilty and reprimanded.
"	116	E. A. Bleasdale	" "	Feb. 5, "	Charges laid on the table.
"	156	Anton Dielman	Intoxication	Feb. 26, "	Found guilty and discharged from force.
"	150	John Miller	"	Feb. 26, "	" " " " " "
"	172	F. V. Bash	"	Feb. 26. "	Action postponed.
"	5	J. W. Clark	Neglect of duty	Feb. 26, "	Found guilty and reprimanded.
"	179	Wm. McAleer	" "	Feb. 26, "	" " " "
"	83	John Caldwell	Intoxication	June 4, "	Charges dismissed December 17, 1889.
"	92	M. F. Silsby	Disrespect to superior officer	Sept. 24, "	Found guilty and reprimanded.
"	146	J. A. Albren	Forgery	Nov. 22, "	Resigned pending charges.
"	225	Albert Isaac	Misconduct	Nov. 22, "	Found not guilty.
"	232	Thos. McGlynn	Neglect of duty	Nov. 22, "	Found guilty and discharged from force.
"	222	P. M. Johnson	Physical disability	Nov. 26, "	Discharged from the force.
"	167	Joseph Sweeney	Neglect of Duty	Nov. 26, "	Found guilty and reprimanded.
"	221	M. Gallagher	" "	Nov. 26, "	" " " "
"	248	H. W. Hackenberg	Intoxication	Dec. 3, "	" " " sentence postponed.
"	221	Pat. Masterson	"	Dec. 3, "	" " " " "
"	170	H. M. Mershon	Information to gamblers	Dec. 17, "	" not guilty.

P. M. Johnson and Thos. McGlynn, both patrolmen on probation, were discharged without a trial.

APPOINTMENTS OF MEMBERS OF THE FORCE DURING THE YEAR.

Name.	Date.	Rank.	No.	Age.	Nativity.	Former Occupation.	Social Condition.	Remarks.
James Hilliard	Jan. 11, 1889	Patrolman	183	32	Ireland	Laborer	Married	Additional.
C. A. DeHondt	" 11, "	"	184	33	United States	Carpenter	"	"
Miles Moulton	" 11, "	"	185	30	"	Farmer	"	"
Thomas J. Hogan	" 11, "	"	186	29	Ireland	Gas fitter	Single	"
Frank A. Barber	" 11, "	"	187	35	United States	Iron worker	Married	"
D. D. Seely	" 11, "	"	188	34	"	Railroad man	"	"
J. E. Wade	" 11, "	"	189	32	"	Moulder	"	"
J. H. Stein	" 11, "	"	190	34	"	Carpenter	"	"
M. J. Howlett	" 11, "	"	191	26	"	Sailor	"	"
Edward Kelly	" 11, "	"	192	27	"	Moulder	Single	"
James Collins	" 11, "	"	193	32	"	Railroad man	Married	"
Otto Jirele	" 11, "	"	194	26	"	Blacksmith	"	"
Thos. McGinty	" 11, "	"	195	34	"	Teamster	"	"
Fred. Winchester	" 11, "	"	196	31	"	Ax maker	"	"
Geo. M. Gregory	" 11, "	"	197	32	"	Waiter	"	"
N. I. Engelhardt	" 11, "	"	198	28	Germany	Plumber	"	"
T. J. Comerford	" 11, "	"	199	26	United States	Engineer	"	"
E. L. Potts	" 11, "	"	200	31	"	Brakeman	Single	"
Harry Davis	" 11, "	"	201	29	"	Iron worker	Married	"
Henry A. Gerow	" 11, "	"	202	34	Canada	Street R. R. man	"	"

APPOINTMENTS OF MEMBERS OF THE FORCE DURING THE YEAR.—*Continued.*

Name.	Date.	Rank.	No.	Age.	Nativity.	Former Occupation.	Social Condition.	Remarks.
H. J. Simpson	Feb. 5, 1889	Patrolman	176	27	United States	Railroad man	Married	Vice Wm. Harrison, deceased.
Patrick Hines	" 26, "	"	79	30	"	Laborer	Single	" J. W. Varner, promoted.
Henry Bringman	" 26, "	"	77	35	Germany	Cook	Married	" G. F. Mog, promoted.
Patrick Farragher	" 26, "	"	111	37	Ireland	Laborer	"	" W. A. Sherman, promoted.
Michael McGrath	" 26, "	"	156	30	"	Iron worker	"	" A. Dielman, discharged.
Leonard Cummiskey	" 26, "	"	150	34	United States	Conductor	"	" J. Miller, discharged.
John Cummings	Mar. 25, "	"	39	30	Canada	Blacksmith	"	" M. F. Wood, promoted.
Thos. W. Whalen	June 4, "	"	182	33	United States	Conductor	"	" P. W. O'Reilley, deceased.
P. F. McIntyre	" 4, "	"	63	27	Ireland	Laborer	Single	" E. A. Boynton, deceased.
Wm. D. Jones	" 18, "	"	14	34	Wales	Puddler	Married	" D. W. McCready, promoted.
James Meehan	July 16, "	"	203	32	England	Iron worker	"	Additional.
Patrick Connors	" 16, "	"	204	28	"	Laborer	"	"
Ephraim Brown	" 16, "	"	205	34	United States	Moulder	"	"
Richard McDonnell	" 16, "	"	206	26	"	Carpenter	"	"
Dennis E. Murphy	" 16, "	"	207	34	"	Railroad man	"	"
Wm. J. Thorpe	" 16, "	"	208	30	"	Conductor	"	"
F. J. Moore	" 16, "	"	209	34	Ireland	Saloon keeper	"	"
N. A. Shattuck	" 16, "	"	210	32	United States	Painter	"	"
Patrick Masterson	" 16, "	"	211	33	"	Railroad man	Single	"
A. C. McElroy	" 16, "	"	212	28	"	Steel worker	"	"

APPOINTMENTS OF MEMBERS OF THE FORCE DURING THE YEAR.—*Continued.*

Name.	Date.	Rank.	No.	Age.	Nativity.	Former Occupation.	Social Condition.	Remarks.
Jacob Burghardt	July 16, 1889	Patrolman	213	32	United States	Carpenter	Married	Additional.
M. Fitzgerald	" 16, "	"	214	29	"	Boiler maker	"	"
John J. Richards	" 16, "	"	215	28	"	Carriage maker	"	"
P. J. Mylett	" 16, "	"	216	34	Ireland	Coachman	"	"
Fred. Kohler	" 16, "	"	217	25	United States	Marble worker	"	"
Geo. W. Carey	" 16, "	"	218	28	"	Conductor	Single	"
J. J. Martin	" 16, "	"	219	37	"	"	"	"
John E. Jones	" 16, "	"	220	33	"	Railroad man	Married	"
Michael Gallagher	" 16, "	"	221	29	Ireland	Laborer	"	"
P. M. Johnson	" 16, "	"	222	31	Norway	Carpenter	"	"
J. H. Kleinman	" 16, "	"	223	31	United States	Railroad man	Single	"
J. E. Gannon	" 16, "	"	224	26	"	Laborer	"	"
Albert Isaac	" 16, "	"	225	29	Canada	Tinsmith	Married	"
Martin Patton	" 16, "	"	226	26	Ireland	Laborer	Single	"
W. H. Mooney	" 16, "	"	227	37	England	Moulder	Married	"
Patrick Mangan	" 16, "	"	228	27	United States	Laborer	Single	"
Joseph Kilbane	" 16, "	"	229	31	Ireland	Conductor	Married	"
Hugh McTigue	" 16, "	"	230	26	United States	Laborer	"	"
Thomas Madden	" 16, "	"	231	28	"	Conductor	"	"
Thos. McGlynn	" 16, "	"	232	36	"	Moulder	"	"

APPOINTMENTS OF MEMBERS OF THE FORCE DURING THE YEAR.—*Continued.*

Name.	Date.	Rank.	No.	Age.	Nativity.	Former Occupation.	Social Condition.	Remarks.
Wm. O'Laughlin	July 16, 1889	Patrolman	233	27	United States	Boiler maker	Single	Additional.
Michael Gilbride	" 16, "	"	234	31	"	Iron worker	Married	"
Wm. Bennett	" 16, "	"	235	37	Ireland	"	"	"
M. J. Dempsey	" 16, "	"	236	34	"	Clerk	"	"
E. J. Hannan	" 16, "	"	237	26	United States	Driver	"	"
Frank Hoenig	" 16, "	"	238	27	"	Moulder	"	"
Peter Regan	" 16, "	"	239	38	Ireland	Watchman	"	"
E. W. Boulton	" 16, "	"	240	34	United States	Tinsmith	"	"
J. M. Morgan	" 16, "	"	241	30	"	Iron worker	"	"
Ed. Bayton	" 16, "	"	242	32	England	"	"	"
Thos. H. Porter	" 16, "	"	243	34	United States	Railroad man	"	"
Evan Corns	" 16, "	"	244	37	Wales	Iron worker	"	"
H. D. Lloyd	" 16, "	"	245	34	United States	Conductor	"	"
Wm. F. Guenther	" 16, "	"	246	27	"	Carpenter	"	"
Chas. H. Durfy	" 16, "	"	247	26	"	Coachman	"	"
H. W. Hackenberg	" 16, "	"	248	32	"	Teamster	"	"
J. F. Kurtz	" 16, "	"	249	38	"	Grainer	"	"
Chas. Shafranek	" 16, "	"	250	26	Bohemia	Carpenter	"	"
Chas. A. Harris	" 16, "	"	251	29	United States	Clerk	"	"
Chas. Hawkins	" 16, "	"	252	27	"	Butcher	Single	"

APPOINTMENTS OF MEMBERS OF THE FORCE DURING THE YEAR.—*Continued.*

Name.	Date.	Rank.	No.	Age.	Nativity.	Former Occupation.	Social Condition.	Remarks.
J. M. Farr	Sept. 3, 1889	Patrolman	228	28	United States	Meat cutter	Married	Vice Patrick Mangan, resigned.
T. McDonnough	" 3, "	"	77	28	"	Driver	"	" Henry Bringman, discharged.
Burton Holcomb	Oct. 8, "	"	101	29	"	Machinist	Single	" Chas. Fischer, pensioned.
F. B. Norton	Mar. 14, "	Surgeon						Re-appointed under new law.

APPOINTMENTS OF OFFICERS AND EMPLOYES OF THE DEPARTMENT DURING THE YEAR.

Name.	Rank.	Date.	Remarks.
L. Rubinstein	Doorman	July 31, 1889	To act as interpreter in Police Court.
John Burke	Driver	Nov. 22, 1889	At Patrol Station No. 3.
Wm. Roberts	"	Nov. 22, 1889	" " "

SALARIES OF THE MEMBERS OF THE POLICE DEPARTMENT.

	1889.	1890.
Superintendent	$2,300 per year.	$2,210 per year.
Deputy Superintendent	1,600 "	1,560 "
Captains	1,500 "	1,460 "
Lieutenants	1,160 "	1,060 "
Detectives	1,160 "	1,060 "
Sergeants	1,100 "	1,010 "
Acting as Sergeants	1,060 "	960 "
Patrolmen	1,000 "	900 "
Sergeant detailed to Superintendent	1,100 "	1,010 "
" " Secretary	1,100 "	1,010 "
Patrolmen on probation	70 per month.	65 per month.
Secretary	1,800 per year.	1,800 per year.
Surgeon	1,000 "	900 "
Superintendent Telegraph and Telephone	100 per month.	100 per month.
Lineman	75 "	75 "
Operators	60 "	60 "
Matron	35 "	35 "
Janitor at Central station	65 "	60 "
" 3d and 8th precinct station	60 "	55 "
" 2d precinct station	50 "	55 "
Assistant Janitors at Central stations	50 "	50 "
Fireman at Central station	60 "	60 "
Drivers of patrol wagons	1,000 per year.	900 per year.
Doorman	500 "	500 "

NUMBER OF DAYS LOST BY SICKNESS, DISABILITY, UNDER RULE FORTY-FOUR, AND ABSENCE WITH LEAVE DURING THE YEAR.

Rank.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
Supt.	J. W. Schmitt			12		
Dep'y Supt.	James McMahon	3		12		
Captain.	Henry Hoehn	6		12		
"	E. K. Hutchinson			12		
"	M. F. Madigan			12		
"	A. S. Gates	11		12		
Lieutenant.	Conrad Koch			12		
"	Frank Wagner			12		
"	John Schriber	6		12		
"	John Barrow	3		12	26	
"	M. English	1		12		
"	S. Kushman	5		12		
"	J. P. Norton	1		12		
"	Thomas Thompson	3		12		
"	Josiah Johnson	2		12		
"	John Dunn			12	8	
"	George Kadel			12		
"	George W. Broadwell			12		
"	P. A. Searles	9		12		
"	Jacob Stein	8	11	12		
"	John Burns			12		
"	A. Eitelman			12		
Detective.	Charles McHannan	3		12		
"	J. J. Lohrer	6		12		
"	A. A. Lawrence			12		
"	John Reeves			12		
"	F. Gallagher	23		12		
"	F. R. Humphrey	41		12	73	
"	A. McMillan			12		
	Forward	131	11	348	107	

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	131	11	348	107	.....
Detective.	E. T. Granger	9	.....	12	.....	.....
"	Francis Douglass	3	.....	12	.....	.....
"	John F. Sprosty	11	.....	12	.....	.....
Sergeant.	E. W. Bradley	.....	.....	12	.....	.....
"	John O'Laughlin	3	.....	12	.....	.....
"	Patrick Corkill	.....	.....	12	.....	.....
"	Charles Tressel	.....	.....	12	.....	.....
"	J. F. Megerth	.....	.....	12	.....	.....
"	Geo. J. Griffin	2	.....	12	.....	.....
"	E. Shipman	3	.....	12	.....	.....
"	H. A. Cordes	3	.....	10	.....	.....
"	J. W. Varner	.....	.....	12	.....	.....
"	G. F. Mog	10	.....	12	.....	.....
"	W. A. Sherman	8	.....	12	2	.....
"	M. F. Wood	.....	.....	12	3	.....
"	D. W. McCready	3	.....	12	4	.....
"	Wm. Jenkin	.....	.....	12	.....	.....
Patrolman No.						
1	Wm. Anthony	95	.....	6	.....	.....
2	Henry Brunner	2	.....	12	.....	.....
3	Joseph Stadler	.....	.....	12	.....	.....
4	C. E. Parker	.....	.....	12	.....	.....
5	J. W. Clark	.....	.....	12	.....	.....
6	A. J. Marx	.....	.....	12	.....	.....
7	J. T. Bashold	6	.....	12	.....	.....
8	Geo. B. Erwin	10	2	12	.....	.....
9	A. Manzelman	3	.....	12	.....	.....
10	Philip Siegrist	8	.....	12	.....	.....
11	M. Ostermeyer	.....	.....	12	.....	.....
	Forward	310	13	676	116	.....

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	310	13	676	116	
12	B. Rosenfelder			12		
13	Leo J. Kolaszewski			12		
14	Wm. D. Jones	1		6		
15	C. C. Thomas	3		12		
16	John Veigel	5		12	6	
17	Wm. Hildebrand	67		10		
18	Philip Haggerty	2		12		
19	Wm. Bradford			12		
20	Michael Fergus	20		12		
21	Peter Wilson	16		11		
22	Joseph O'Brien	2		11		
23	Wm. Mylechraine	7		12		
24	John Buechler			12		
25	Henry Jacobson			12		
26	Joseph Krenzel	46		12		
27	P. J. Neary	1	2	12		
28	T. Hathaway			12		
29	James Hanley	2		12		
30	John Williams			12		
31	W. W. Robinson	47		10		
32	Wm. Vogel	3		12		
33	G. A. Domino	3	2	12		
34	Mathew Maresh	1	2	12		
35	W. R. Hayman			12		
36	Chas. O. Klaue	4		12	5	
37	Mathew Conway			12		
38	Michael Mullee	10		12		
39	John Cummings			9		
40	J. M. Brooks			12		
	Forward	550	19	1,009	127	

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	550	19	1,009	127	
41	S. D. Mell	6		12		
42	E. Durchschlag			12		
43	Chas. N. Lyle			12		
44	Christ. Hennis	8		12		
45	Wm. M. Tucker			11		
46	Jacob Ganss	9		12	1	
47	P. O'Malley	17		12		
48	Chas. Saunders	5		12	2	
49	Wm. H. Probst	2		12		
50	Daniel Mack			12		
51	H. T. Felhaber	8		12		
52	M. M. McElhaney		14	12		
53	William Mehner	17	8	12		
54	John O'Donnell	16		12	1	
55	M. E. O'Malley			12		
56	Charles Sanders	1		12		
57	W. J. Flanigan	20		12		
58	Hermann Prange	3		12		
59	William Watt	3		12		
60	P. J. Carbeck	1		11		
61	John C. Kampfe	6		12		
62	James Lenahan	13		12		
63	P. F. McIntire	1		7		
64	H. W. Motter	1		12		
65	John Sprankel			12		
66	August Sommer			12		
67	Frederick Doering	8		12		
68	John Quinn			12		
69	Alex. Skarupsky	3		12	2	
	Forward	698	41	1,350	133	

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	698	41	1,350	133	.....
70	J. H. Koehler	2	1	12	1	.....
71	W. S. Rowe	1	.....	12	.....	.....
72	Henry Carroll	2	.....	12	.....	.....
73	Paul J. Luehrs	11	.....	12	1	.....
74	Thos. H. Bidlingmyer	6	.....	12	.....	.....
75	F. H. Brooks	.....	.....	12	.....	.....
76	W. Chapman	18	.....	12	.....	.....
77	F. McDonnough	1	.....	4	.....	.....
78	Martin Ruddy	30	.....	12	.....	.....
79	Patrick Hines	.....	.....	10	.....	.....
80	J. C. Denzer	.....	.....	12	.....	.....
81	Alfred Walker	13	.....	12	.....	.....
82	James F. Kernan	.....	1	12	.....	.....
83	John Caldwell	3	.....	12	.....	.....
84	F. B. Eustace	.....	.....	12	.....	.....
85	John McCormack	.....	.....	12	.....	.....
86	A. J. Barnes	7	.....	12	3	.....
87	A. M. Blood	.....	.....	12	3	.....
88	Daniel Cantillon	.....	.....	12	.....	.....
89	John Britton	35	2	11	.....	.....
90	L. A. DeCelle	15	.....	12	.....	.....
91	George E. Corner	7	.....	12	.....	.....
92	M. F. Silsby	.....	.....	12	.....	.....
93	M. W. Murphy	15	4	12	.....	.....
94	Patrick Kennedy	.....	11	12	.....	.....
95	Henry Kramer	.....	.....	12	.....	.....
96	N. H. Sheehan	12	.....	12	.....	.....
97	Henry Seibel	32	22	12	.....	.....
98	Joseph Ralph	.....	.....	12	.....	.....
	Forward	908	82	1,687	141	.....

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	906	82	1,687	141	.....
99	F. J. Lambert	.....	.....	12	.....	.....
100	F. C. Lauser	3	.....	12	.....	.....
101	Burton Holcomb	.....	.....	3	.....	.....
102	Frank McDonnell	59	.....	12	.....	.....
103	Frank Kulas	10	.....	12	.....	.....
104	John H. Mangan	2	.....	12	.....	.....
105	Chas. McMasters	5	.....	12	4	.....
106	George Demaline	6	.....	12	.....	.....
107	Charles Dangler	3	.....	12	.....	.....
108	Geo. D. Scott	11	.....	12	.....	.....
109	T. J. Gallagher	3	.....	12	.....	.....
110	Wm. Schneider	.....	.....	12	.....	.....
111	Patrick Farragher	1	.....	10	.....	.....
112	D. T. Hayes	.....	2	12	2	.....
113	Stewart Hart	1	2	12	.....	.....
114	John McGraw	4	.....	12	.....	.....
115	William O'Brien	1	.....	11	.....	.....
116	Ernest A. Bleasdale	.....	.....	12	.....	.....
117	Jacob Rees	9	.....	12	.....	.....
118	Phillip Heege	15	.....	12	1	.....
119	August Brandt	3	.....	12	3	.....
120	Silas Pierce	.....	2	12	.....	.....
121	M. H. Stofer	4	.....	12	.....	.....
122	James T. Madden	36	.....	11	.....	.....
123	Wm. Schnearline	.....	.....	12	.....	.....
124	John Schmunk	.....	.....	12	.....	.....
125	S. L. Miller	.....	.....	12	.....	.....
126	Chas. Schroeder	1	.....	12	.....	.....
127	Frederick Fischer	2	.....	12	.....	.....
	Forward	1,067	88	2,022	151	.....

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward.	1,067	88	2,022	151	.....
128	M. Cunneen	3	18	11	.....	.....
130	John McCabe	.....	.....	12	.....	.....
131	J. J. Doyle	11	.....	12	2	.....
132	M. J. Regan	.....	6	12	.....	.....
133	Henry Hageman	.....	.....	11	4	.....
134	E. R. Bennett	54	.....	11	.....	.....
135	John Carroll	11	.....	12	.....	.....
136	Edward Corrigan	.....	.....	12	.....	.....
137	John Gavin	.....	.....	12	.....	.....
138	Parker Hare	.....	.....	12	.....	.....
139	Thomas Commerford	.....	.....	12	.....	.....
140	J. W. Flavin	71	.....	12	1	.....
141	Geo. J. Keidel	5	.....	12	.....	.....
142	Michael O'Hara	.....	.....	12	.....	.....
143	Joseph Whittaker	.....	58	12	.....	.....
144	John J. Connell	53	.....	12	.....	.....
145	S. S. Minor	3	.....	12	1	
146	John A. Albreau	.....	.....	8	.....	8
147	C. J. Creter	2	.....	12	.....	.....
148	Frank Iles	1	.....	12	8	.....
149	Patrick Ruddy	.....	.....	12	.....	.....
150	Leonard Cummiskey	4	.....	10	.....	.....
151	Hugh Masterson	10	.....	12	.....	.....
152	John Corrigan	1	2	12	.....	.....
153	F. E. Brown	.....	.....	12	60	.....
154	James Cullen	.....	.....	12	.....	.....
155	George A. Kadel	.....	.....	12	.....	.....
156	Michael McGrath	2	.....	10	.....	.....
157	Chas. L. Weisbarth	5	.....	12	11	.....
	Forward	1,323	172	2,359	238	8

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	1,323	172	2,359	238	8
158	Richard Barrow, Jr	5	6	12		
159	Wm. Fitzgerald			12		
160	John E. Gallagher			10	2	
161	August Wedig	35		12		
162	C. W. Robinson			12	2	
163	E. F. Washington	28		12	7	
164	A. McKnight	16		12		
165	James Doran			12		
166	John Mahony	5		12		
167	Joseph Sweeney			12	2	
168	Kinsy Fife	5		12		
169	D. J. Cook	8		12		
170	H. M. Mershon	28		12		
171	M. K. Cary	8		11	7	
172	Frank V. Bash			11		
173	M. Masterson			12		
174	C. L. Meacham	2		12		
175	John Anderson, Jr	20		12		
176	H. J. Simpson	2		10		
177	James McNally	3		12		
178	Patrick Breheny	4	1	12		
179	Wm. McAleer	1		12		
180	R. C. McDonnell	10		12	10	
181	Frank A. Kelly	23		11		
182	Thos. W. Whalen			7		
183	James Hilliard	9		11		
184	C. A. DeHoudt	2		11		
185	Miles Moulton			11		
186	Thos. J. Hogan			11		
	Forward	1,537	179	2,691	268	8

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	1,537	179	2,691	268	8
187	Frank A. Barber			11		
188	D. D. Seely	3		11		
189	J. E. Wade			11		
190	J. H. Stein	2		11		
191	M. J. Howlett		1	11		
192	Edward Kelly	1		10		
193	James Collins	2		11	11	
194	Otto Jirele			11		
195	Thos. McGinty	7	2	11		
196	Fred. Winchester	2		11	6	
197	Geo. M. Gregory	4		11		
198	N. I. Engelhardt			11		
199	T. J. Comerford			11		
200	E. L. Potts	5		11		
201	Harry Davis			11		
202	Henry A. Gerow			11		
203	James Meehan			5		
204	Patrick Connors			5		
205	Ephraim Brown			5		
206	Richard McDonnell			5	5	
207	Dennis E. Murphy	1		5	12	
208	Wm. J. Thorpe			5		
209	F. J. Moore			5		
210	N. A. Shattuck	2		5		
211	Patrick Masterson	2		5		4
212	A. C. McElroy			5	6	
213	Jacob Burghardt			5		
214	M. Fitzgerald			2		
215	John J. Richards	1		5		
	Forward	1,569	182	2,928	308	12

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward	1,569	182	2,928	308	12
216	P. J. Mylett	4		5		
217	Fred. Kohler			5		
218	Geo. W. Carey		35	3		
219	James J. Martin			5		
220	John E. Jones			5		
221	Michael Gallagher	8		5		
222	P. M. Johnson	19		5		
223	J. H. Kleinman			5		
224	J. E. Gannon			5		
225	Albert Isaac	5		5		
226	Martin Patton			5		
227	W. H. Mooney			5		
228	J. M. Farr			3		
229	Joseph Kilbane			5		
230	Hugh McTigue			5		
231	Thomas Madden			5		
232	Thomas McGlynn	1		5		
233	Wm. O. Laughlin			5		
234	Michael Gilbride			5		
235	Wm. Bennett			5		
236	M. J. Dempsey			5		
237	E. J. Hannan	2		5		
238	Frank Hoenig	9		5		
239	Peter Regan			5		
240	E. W. Boulton	7		5		
241	J. M. Morgan			5		
242	Edward Bayton			5		
243	Thos. H. Porter	1		5		
244	Evan Corns			5		
	Forward	1,625	217	3,069	308	12

NUMBER OF DAYS LOST BY SICKNESS, ETC.—*Continued.*

Rank. Patrolman No.	Name.	Sickness.	Disability.	Leave under Rule 44.	Absence with Leave.	Suspended.
	Forward.	1,625	217	3,069	308	12
245	H. D. Lloyd	1		5		
246	Wm. F. Guenther			5		
247	Chas. H. Durfy			5	6	
248	H. W. Hackenberg			5		4
249	J. F. Kurtz	3		5		
250	Chas. Shafranek	2		4		
251	Chas. A. Harris			5		
252	Chas. Hawkins			5		
63	E. A. Boynton	25		4		
77	Henry Bringman	9		8		
101	Chas. Fischer	62		10		
150	John Miller	5		6		
156	Anton Dielman					
176	Wm. Harrison	20				
182	P. W. O'Reilley	114		3		
228	Patrick Mangan					15
	Total	1,866	217	3,139	314	31

RECAPITULATION OF THE NUMBER OF DAYS LOST IN EACH MONTH.

Month.	Sickness.	Disability.	Leave under rule 44.	Absence with Leave.	Suspended.	
January	295	12	99	.....	.....	
February	190	11	116	5	.....	
March	286	.....	167	10	.....	
April	135	9	179	.....	.....	
May	146	15	241	3	.....	
June	67	5	186	40	.....	
July	38	22	237	72	.....	
August	63	14	459	70	11	
September	122	24	270	28	4	
October	105	34	291	46	.....	
November	197	53	261	20	12	
December	222	18	633	20	4	
Total	1,866	217	3,139	314	31	5,567

Average daily loss of time by sickness . . . . . $6\frac{96}{295}$

" " " " disability . . . . . $\frac{217}{295}$

" " " " Rule 44 . . . . . $10\frac{189}{295}$

" " " " with leave . . . . . $1\frac{19}{295}$

" " " " suspension . . . . . $\frac{31}{295}$

Total . . . . . $18\frac{257}{295}$

Rule 44 allows each member of the force twelve days leave of absence each year without deduction of pay.

Time lost by sickness and disability is paid in full.

Time lost by absence with leave and by suspension is deducted.

APPOINTMENT AND PROMOTION OF OFFICERS

OF CLEVELAND POLICE FORCE.

J. W. SCHMITT, appointed Patrolman; Detective and Acting Chief, May 1, 1866; Superintendent, April 26, 1871; reappointed, May 17, 1876.

JAMES MCMAHON, appointed Patrolman and First Sergeant, May 1, 1866; Acting Captain, May 5, 1869; Captain, December 1, 1869; Acting Superintendent, June 20, 1870; reappointed Captain, May 17, 1876; Acting Deputy Superintendent, May 3, 1881; Deputy Superintendent, June 28, 1881.

HENRY HOEHN, appointed Patrolman, May 1, 1866; Acting Sergeant, July 1, 1871; Sergeant, April 22, 1872; Lieutenant, April 12, 1876; Captain, September 13, 1876.

E. K. HUTCHINSON, appointed Sergeant, April 12, 1876; Acting Lieutenant, May 16, 1882; Lieutenant, December 30, 1882; Captain, September 15, 1885.

M. F. MADIGAN, appointed Patrolman, May 1, 1866; Fifth Sergeant, May 31, 1866; Fourth Sergeant, December 1, 1869; Lieutenant, April 12, 1876; Captain, November 5, 1885.

A. S. GATES, appointed Patrolman, November 13, 1871; Acting Sergeant, January 20, 1882; Sergeant, December 30, 1882; Lieutenant, December 4, 1885; Captain, February 19, 1889.

CONRAD KOCH, appointed Patrolman, May 30, 1866; Roundsman, April 16, 1872; Acting Sergeant, January 25, 1875; Lieutenant, April 12, 1876.

FRANK WAGNER, appointed Patrolman, June 23, 1869; Roundsman, December 4, 1874; Sergeant, April 12, 1876; Lieutenant, September 13, 1876.

JOHN SCHRIBER, appointed Patrolman, April 6, 1870; Roundsman, August 7, 1873; Sergeant, April 12, 1876; Acting Lieutenant, April 6, 1877; Lieutenant April 14, 1877.

JOHN BARROW, appointed Patrolman, August 8, 1867; Acting Sergeant, April 6, 1877; Sergeant, April 14, 1877; Lieutenant, February 5, 1884.

MICHAEL ENGLISH, appointed Patrolman, April 8, 1871; Acting Sergeant, August 26, 1875; Superintendent's Clerk, July 3, 1882; Lieutenant, February 5, 1884.

S. KUSHMAN, appointed Patrolman, April 25, 1868; Roundsman, January 25, 1875; Acting Sergeant, April 22, 1875; Sergeant, April 12, 1876; Lieutenant, February 5, 1885.

JOHN P. NORTON, appointed Patrolman, May 8, 1868; Roundsman, April 16, 1872; reappointed Patrolman, April 12, 1876; Acting Sergeant, December 30, 1882; Sergeant, February 5, 1884; Lieutenant, December 4, 1885.

THOMAS THOMPSON, appointed Patrolman, May 15, 1867, to September 19, 1870; reappointed Patrolman, November 6, 1872; Acting Sergeant, May 23, 1881; Sergeant, January 20, 1882; Lieutenant, December 4, 1885.

JOSIAH JOHNSON, appointed Patrolman, July 19, 1871; Roundsman, October 24, 1877; Sergeant, May 23, 1881; Lieutenant, May 4, 1886.

JOHN DUNN, appointed Patrolman, December 30, 1870; Acting Sergeant, December 30, 1882; Sergeant, December 18, 1883; Lieutenant, May 4, 1886.

GEORGE KADEL, appointed Patrolman, April 29, 1870, to September, 1872; reappointed Patrolman, May 21, 1873; Acting Sergeant, December 30, 1882; Sergeant, December 4, 1885; Lieutenant, April 12, 1887.

GEORGE BROADWELL, appointed Patrolman, April 14, 1877; Acting Sergeant, May 16, 1882; Sergeant, December 30, 1882; Lieutenant, May 8, 1888.

P. A. SEARLES, appointed Patrolman, November 2, 1871; Acting Roundsman, November 6, 1872; Sergeant, April 12, 1876; Lieutenant, May 8, 1888.

JACOB STEIN, appointed Patrolman, July 18, 1863, to October 20, 1863; reappointed Patrolman, September 11, 1863; Sergeant, September 13, 1876; Lieutenant, May 8, 1888.

JOHN BURNS, appointed Patrolman, May 8, 1868; Acting Sergeant, October 26, 1883; Sergeant, December 4, 1885; Lieutenant, February 19, 1889.

ANDREW EITELMAN, appointed Patrolman, May 1, 1866, to January 6, 1868; reappointed Patrolman, May 8, 1868; Roundsman, December 2, 1875; Sergeant, April 12, 1876; Lieutenant, February 19, 1889.

CHARLES MCHANNAN, appointed Patrolman, May 8, 1868; Acting Sergeant, July 1, 1871; Regular Sergeant, April 22, 1875; Lieutenant, April 12, 1876; Detective and detailed as Chief of Detectives with rank of Captain, September 15, 1885; the office of Chief of Detectives with rank of Captain abolished May 15, 1888.

J. J. LOHRER, appointed Patrolman, May 1, 1866; Acting Sergeant, April 16, 1872; Detective, April 12, 1876.

A. A. LAWRENCE, appointed Patrolman, May 1, 1866; resigned May 9, 1868; reappointed Patrolman, June 19, 1869; Acting Sergeant, April 16, 1872; Detective, April 12, 1876.

JOHN REEVES, appointed Patrolman, May 13, 1875; Special Detective, July 8, 1875; Detective, April 26, 1876.

P. GALLAGHER, appointed Patrolman, September 7, 1871; Detective, June 1, 1876.

F. R. HUMPHREY, appointed Patrolman, September 7, 1871; Acting Sergeant, July 3, 1882; Sergeant, December 30, 1882; Acting Detective, October 19, 1883; Detective, December 18, 1883.

A. MCMILLAN, appointed Patrolman, February 23, 1872; Acting Detective, July 10, 1883; Detective, December 18, 1883.

E. T. GRANGER, appointed Patrolman, September 7, 1871; Roundsman, December 4, 1874; Sergeant, April 12, 1876; Lieutenant, May 23, 1881; Detective, May 4, 1886.

FRANCIS DOUGLASS, appointed Patrolman, November 13, 1871; Detective, April 12, 1887.

JOHN F. SPROSTY, appointed Patrolman, November 6, 1872; Emigrant Officer, June 23, 1885; Detective, May 8, 1888.

E. W. BRADLEY, appointed Patrolman, April 20, 1875, to April 15, 1876; reappointed Patrolman, August 2, 1876; Acting Sergeant, May 16, 1882; Sergeant, February 5, 1884.

JOHN O'LAUGHLIN, appointed Patrolman, February 12, 1873; Acting Sergeant, October 26, 1883; Sergeant, December 4, 1885.

PATRICK CORKILL, appointed Patrolman, April 13, 1869; Acting Sergeant, December 4, 1885; Sergeant, May 4, 1886.

CHARLES TRESSEL, appointed Patrolman, November 20, 1869; Acting Sergeant, December 4, 1885; Sergeant, May 4, 1886.

J. F. MEGERTH, appointed Patrolman, May 2, 1872; Acting Sergeant, December 4, 1885; Sergeant, April 12, 1887.

GEORGE J. GRIFFIN, appointed Patrolman, July 12, 1870; Acting Sergeant, April 15, 1884; Sergeant, May 8, 1888.

EDWARD SHIPMAN, appointed Patrolman, January 31, 1871; Acting Sergeant, December 30, 1882; Sergeant, May 8, 1888.

H. A. CORDES, appointed Patrolman, July 29, 1868; Acting Sergeant, May 4, 1886; Sergeant, May 8, 1888,

J. W. VARNER, appointed Patrolman, January 21, 1878; Acting Sergeant, May 8, 1888; Sergeant, February 19, 1889.

G. F. MOG, appointed Patrolman, August 3, 1881; Acting Sergeant, May 8, 1888; Sergeant, February 19, 1889.

W. A. SHERMAN, appointed Patrolman, November 6, 1872; Acting Sergeant, December 18, 1883; Sergeant, February 19, 1889.

M. F. WOOD, appointed Patrolman, May 20, 1877; License Officer, June 23, 1885; detailed to Secretary, February 14, 1888; Sergeant and appointed to Secretary, March 14, 1889.

D. W. MCCREADY, appointed Patrolman, March 6, 1878; Superintendent's Clerk, June 23, 1885; Sergeant and appointed Clerk to Superintendent, June 18, 1889.

WM. JENKIN, appointed Patrolman, January 20, 1882; Detailed as Acting Sergeant, February 19, 1889; returned to regular patrol duty, May 28, 1889; detailed again as Acting Sergeant, June 4, 1889; appointed Sergeant, December 17, 1889.

JOHN SPRANKEL, appointed Patrolman, November 23, 1874; Acting Sergeant, May 4, 1886.

A. M. BLOOD, appointed Patrolman, November 26, 1874; Acting Sergeant, June 7, 1887.

GEORGE E. CORNER, appointed Patrolman, April 20, 1880; Acting Sergeant, June 7, 1887.

J. M. BROOKS, appointed Patrolman, May 4, 1880; Acting Sergeant, August 23, 1887.

J. C. DENZER, appointed Patrolman, November 27, 1878; Acting Sergeant, August 22, 1887; returned to patrol duty May 28, 1889; Acting Sergeant, September 24, 1889.

CHARLES SCHROEDER, appointed Doorman, November 27, 1878; Patrolman, February 15, 1881; Acting Sergeant, August 23, 1887.

JOHN BUECHLER, appointed Patrolman, May 1, 1872; Acting Sergeant, August 23, 1887; returned to patrol duty, May 28, 1889; Acting Sergeant, September 24, 1889.

J. H. MANGAN, appointed Patrolman, September 18, 1875; Acting Sergeant, May 8, 1888.

C. O. KLAUE, appointed Patrolman, May 2, 1882; Acting Sergeant, October 2, 1888; returned to patrol duty, May 28, 1889; Acting Sergeant, September 24, 1889.

GEO. B. ERWIN, appointed Patrolman, April 19, 1881; Acting Sergeant, August 20, 1889.

W. S. ROWE, appointed Patrolman, May 18, 1880; detailed as License Officer, February 14, 1888.

POLICE PATROL SYSTEM.

This branch of service comprises one fully equipped operating room, at the City Hall, three patrol stations, eighty sentry boxes and twenty-two telephones, the whole requiring services of one Superintendent, one lineman, three operators, twelve patrolmen, four at each station; two of the patrolmen acting as sergeants, who are in charge of the stock and apparatus in each station, and six drivers, two at each station.

There are five horses and one wagon in service at Patrol Station No. 1 in the 1st Precinct, and five horses and one wagon at Patrol Station No. 2 in the 8th Precinct, and four horses and one wagon at Patrol Station No. 3 in the 2nd Precinct, and one new wagon in reserve.

A third Patrol Station has been established and fully equipped, new barn erected near the 2nd Police Precinct Station on Oregon Street, and twenty-five new six-call boxes provided for this District, which covers the territory between Dodge and Willson avenue and between Payne Avenue and the Lake Shore.

The new boxes were purchased of the Interstate Fire Alarm Co., of Omaha, and are doing their work in such excellent style that we feel justified in recommending the same for future need.

The telegraph and telephone lines are in good condition, except the telephone lines running to the 7th and 9th Police Precint Stations and to Police Surgeon's residence.

The above mentioned lines are almost worthless on account of the street railroad electric motor induction, and return ground wires should be put up from these places to the office in City Hall. This plan is now in use by the Cleveland Telephone Co., and is giving good satisfaction. The expense of the above work will not exceed $320.00.

The total expense of maintaining the system and stations, except the salaries, is as follows:

The Patrol System	$ 3,229.51
Patrol Station No. 1	2,129.43
Patrol Station No. 2	1,798.72
Patrol Station No. 3	3,728.95
Total	$10,886.61

The workings of this department for the year have been as follows:

Month.	Runs.	Prisoners.	Transfers.	Hospital.	County Jail.	Mileage.
January	316	303	76	9	.....	395¼
February	297	270	55	14	1	302¼
March	344	407	88	7	5	454
April	362	361	102	12	2	449
May	417	451	105	24	2	599¾
June	487	502	110	33	3	689¾
July	412	430	111	27	3	546½
August	447	452	343	14	2	612
September	469	497	160	9	2	600¼
October	508	490	150	15	.....	675½
November	561	512	198	12	.....	789¾
December	484	657	204	17	.....	730¼
Total	5,104	5,332	1,702	193	20	6,844½

The sentry boxes are located throughout the city as follows:

2—City Hall.
3—St. Clair and Ontario streets.
4—St. Clair and Bond streets.
5—Lake and Erie streets.
6—Summit and Wood streets.
7—Summit and Seneca streets.
8—Lake and Bank streets.
9—Union Depot.
21—Euclid and Park.
23—Ontario and Michigan streets.
24—Ontario and Huron streets.
25—Central Market House.
26—Erie and Eagle streets.
27—Erie and Prospect streets.
28—Erie and Superior streets.
31—N. Y., P. & O. Depot.
32—Seneca and Canal streets.
34—Central Way and Stone's Levee.
35—Commercial and Berg streets.
36—Ohio and Hill streets.
37—Cross and Hill streets.
38—Erie and Woodland Avenue.
41—Lorain and Taylor streets.
42—Bank and Frankfort streets.
43—St. Clair and Water streets.
45—Superior and Water streets.
46—River and Front streets.
47—E. Main and Meadow streets.
48—River and St. Clair streets.
51—River and Superior streets.
52—Center and Leonard streets.
53—Ohio and Brownell streets.
54—Columbus and Leonard streets.
56—Columbus and Merwin streets.
57—Lorain and Smith streets.
58—W. River and Russia streets.
59—N. Y., C. & St. L. Depot on Pearl street.
61—W. River and Main streets.
62—Willow street Bridge.
63—Near Gas House.
64—Center and Washington streets.
65—Main and Mulberry streets.
67—Hanover and old River streets.
68—Detroit and Kentucky streets.
71—Lorain and Jersey streets.

72—Pearl and Bridge streets.
73—Pearl and Franklin avenue.
74—Pearl and Lorain streets.
75—Detroit and Taylor streets.
76—Woodbine and Kentucky streets.
78—Lorain and Willett streets.
79—Detroit and Weddell streets.
116—Waverly and Franklin avenue.
124—Muirson and Walnut streets.
125—St. Clair and Waring streets.
126—Perry and Payne avenue.
127—Sterling and Superior streets.
131—Oregon and Muirson streets.
132—No. 115 Oregon street.
134—Canfield and St. Clair streets.
135—St. Clair and Dodge streets.
136—Clinton Park and Lake streets.
137—Ross and Hamilton streets.
141—Davenport and Briggs streets.
142—Lake and Alabama streets.
143—Lake and Lawrence streets.
145—Wason and Lake streets.
146—St. Clair and Phelps streets.
147—St. Clair and Case avenue.
151—St. Clair and Kirtland streets.
152—St. Clair and Willson avenue.
153—Superior and Willson avenue.
154—Superior and Hoadley streets.
156—Payne and Willson avenues.
157—Belden and Payne avenue.
212—Case and Payne avenues.
213—Wason and Superior streets.
214—Payne and Phelps streets.
332—Cleveland Theatre.
452—American District Co., 126 Seneca street.

REPORT OF THE RESOURCES AND DISBURSEMENTS OF THE VARIOUS FUNDS FOR THE YEAR ENDING DEC. 31, 1889.

POLICE DEPARTMENT FUND.

1889.	RESOURCES.		
January 1	Balance	$ 20,849 42	
" 15	From sale of old fence	25 00	
February 7	" " " copper	3 32	
" 14	Advanced on December tax collection	20,000 00	
" 18	Liquor tax, 1888	11,815 82	
March 25	From county, first half tax for 1888	53,348 54	
" 30	" " on account of liquor tax	37,500 00	
June 12	" sale of old copper, etc	6 90	
July 9	Balance of liquor tax for 1886-7-8	13,810 40	
" 9	On account of liquor tax	37,500 00	
August 24	From county, last half tax for 1888	64,924 15	
" 24	" " on account of liquor tax	11,061 83	
October 12	" sale of old copper	5 90	
November 6	" county on account of liquor tax	3,750 00	
December 16	" " advanced on tax levy Dec. collection.	35,000 00	
	Total Resources		$ 309,601 28
	DISBURSEMENTS.		
January 7	Pay roll for December, 1888	20,458 21	
" 28	Claims " " "	697 68	
February 7	Pay roll for January, 1889	20,449 63	
" 23	Claims " " "	1,224 56	
March 11	Pay roll for February, 1889	21,733 80	
" 22	Claims " " "	1,144 63	
April 5	Pay roll for March, 1889	22,099 64	
" 22	Claims " " "	1,161 55	
May 6	Pay roll for April, 1889	22,213 25	
" 21	Claims " " "	659 43	
	Forwarded	$ 111,842 38	$ 309,601 28

POLICE DEPARTMENT FUND.—*Continued.*

1889.	DISBURSEMENTS.—*Continued.*		
	Forwarded	$111,842 38	$ 309,601 28
June 3	Pay roll for May, 1889	22,214 90	
" 17	Claims " " "	850 83	
July 1	Pay roll for June, 1889	22,055 56	
" 15	Claims " " "	1,893 85	
August 5	Pay roll for July, 1889	22,010 98	
" 20	Claims " " "	5,604 18	
September 2	Pay roll for August, 1889	25,828 93	
" 23	Claims " " "	5,932 73	
October 7	Pay roll for September, 1889	25,969 94	
" 21	Claims " " "	2,039 50	
November 4	Pay roll for October, 1889	26,121 42	
" 18	Claims " " "	2,164 97	
December 2	Pay roll for November, 1889	26,147 31	
" 16	Claims " " "	2,634 04	
	Total Disbursements		$ 303,311 54
	Balance January 1, 1890		$ 6,289 74
	Cash in the City Treasury	$ 6,626 23	
	Claims audited but not paid	336 49	
	Balance		$ 6,289 74

POLICE COURT FUND.

1889.	RESOURCES.		
January 1	Balance	$ 11,909 96	
" 31	Costs and fines in Police Court in January, 1889	838 07	
" 31	" " " Workhouse " "	57 60	
February 28	" " " Police Court in February, "	968 18	
" 28	" " " Workhouse " "	59 52	
" 28	Dog license	1 00	
March 31	Costs and fines in Police Court in March, 1889	1,058 47	
" 31	" " " Workhouse " "	39 37	
April 30	" " " Police Court in April, "	1,382 97	
" 30	" " " Workhouse " "	44 50	
May 31	" " " Police Court in May, 1889	1,950 89	
" 31	" " " Workhouse " "	16 85	
June 30	" " " Police Court in June, "	1,365 25	
" 30	" " " Workhouse " "	78 06	
" 30	Dog licenses in June, 1889	10 66	
July 31	Costs and fines in Police Court in July, 1889	1,533 90	
" 31	" " " Workhouse " "	91 57	
" 31	Dog licenses in July, 1889	1,902 64	
August 31	Costs and fines in Police Court in August, 1889	1,544 48	
" 31	" " " Workhouse " "	83 13	
" 31	Dog licenses in August, 1889	72 63	
September 30	Costs and fines in Police Court in September, 1889	1,671 52	
" 30	" " " Workhouse " "	139 88	
October 31	" " " Police Court in October, 1889	1,992 80	
" 31	" " " Workhouse " "	82 67	
November 30	" " " Police Court in November, 1889	1,512 42	
" 30	" " " Workhouse " "	45 36	
December 17	Warrant No. 8959—already paid—refunded	1 25	
" 31	Costs and fines in Police Court in December, 1889	4,148 56	
" 31	" " " Workhouse " "	130 69	
	Total Resources		$ 34,734 85

POLICE COURT FUND.—*Continued.*

1889.	DISBURSEMENTS.		
	Forwarded		$34,734 85
January 7	Pay roll for December, 1888	$ 740 00	
" 7	Witness and juror fees for December, 1888	66 25	
" 28	Claims for December, 1888	679 39	
February 7	Pay roll for January, 1889	740 00	
" 7	Witness and juror fees for January, 1889	33 00	
" 23	Claims for January, 1889	673 90	
March 11	Pay roll for February, 1889	840 00	
" 11	Witness and juror fees for February, 1889	27 00	
" 22	Claims for February, 1889	367 65	
April 5	Pay roll for March, 1889	740 00	
" 5	Witness and juror fees for March, 1889	37 00	
" 22	Claims for March, 1889	1,058 11	
May 6	Pay roll for April, 1889	740 00	
" 6	Witness and juror fees for April, 1889	59 00	
" 6	Acting Prosecuting Attorney	16 67	
" 6	Acting Judge	41 66	
" 21	Claims for April, 1889	4,893 25	
June 3	Pay roll for May, 1889	740 00	
" 3	Witness and juror fees for May, 1889	86 00	
" 3	To E. B. Sockett, refunding bail	40 00	
" 17	Claims for May, 1889	3,441 63	
July 1	Pay roll for June, 1889	892 88	
" 1	Witness and juror fees for June, 1889	57 00	
" 15	Claims for June, 1889	1,399 18	
August 5	Pay roll for July, 1889	815 00	
" 5	To J. M. Hull as Prosecuting Attorney	29 58	
" 5	Witness and juror fees for July, 1889	274 50	
" 20	Claims for July, 1889	2,180 45	
September 2	Pay roll for August, 1889	815 00	
" 2	Witness and juror fees for August, 1889	179 00	
" 2	J. C. Hutchins as acting Judge	125 00	
" 23	Claims for August, 1889	1,263 35	
	Forward	$ 24,091 45	$ 34,734 85

CONTINGENT FUND.

1889.	RESOURCES.		
January 1.....	Balance on hand.....	$ 10,429 56	
" 21.....	Marshal fees in Police Court, state cases for Nov. 1888	92 83	
" 21.....	" " " " " Dec. "	79 93	
" 29.....	" " " city " " "	114 13	
" 29.....	" " collected at Workhouse, city cases.....	46 35	
February 2.....	Interest on moneys at Citizens' S. & L. Asso'n, 6 mo.	53 96	
" 25.....	Marshal fees in Police Court, city cases for Jan. 1889	102 69	
" 26.....	" " collected at Workhouse, state cases.....	101 47	
March 23.....	" " in Police Court, city cases for Feb. 1889	108 70	
" 28.....	" " in Grand Jury cases, etc, January term	73 20	
" 29.....	" " in Police Court, state cases for January	47 55	
" 29.....	" " " " " February	71 28	
April 2.....	Interest on note No. 98, $3,250, 5%.....	94 80	
" 15.....	Refunded by Detective Humphrey.....	17 47	
" 23.....	Marshal fees in Police Court, city cases, March.....	125 47	
May 21.....	" " " " " April.....	137 82	
" 27.....	" " " state " March.....	93 53	
" 27.....	" " " " " April.....	73 99	
" 27.....	" " Grand Jury, etc., April term.....	31 47	
June 18.....	" " in Police Court, city cases, May.....	188 49	
July 1.....	Interest on $3,344.80 from S. & T. Co., 3 mo., 4%.....	32 60	
" 17.....	Marshal fees in Police Court, city cases, June.....	152 89	
" 20.....	" " Grand Jury, April term.....	52 53	
" 22.....	" " Police Court, state cases, May.....	107 93	
" 22.....	" " " " " June.....	106 47	
" 26.....	Interest on moneys at Citizens' S. & L. Asso'n, 6 mo.	56 08	
" 27	Marshal fees collected at Work House, state cases.....	111 49	
August 20.....	" " " " " city "	87 62	
" 20.....	" " Police Court, city cases, July.....	165 15	
September 21.	Marshal fees, Police Court, state cases, July.....	105 03	
" 21.	" " " " " August.....	83 85	
" 21.	" " " city " "	149 11	
	Forward.....	$ 13,295 44	.....

CONTINGENT FUND.—*Continued.*

1889.	RESOURCES.—*Continued.*		
	Forwarded	$ 13,295 44	
October 1	Interest on note 99, $3,250, Sept. 1, '88, to Oct. 1, '89, 5%	176 04	
" 1	" " 100, $800, " " "	43 34	
" 21	Marshal fees, Police Court, city cases, September	186 76	
November 19.	" " " " October	182 49	
" 19.	Refunded by Det. Sprosty, for lottery tickets	75	
" 21.	Marshal fees in Com. Pleas Court, September term	90 87	
" 23.	" " in Police Court, state cases, September	108 19	
" 23.	" " " " October	92 34	
December 12	" " in Com. Pleas Court, etc., Sept. term	24 97	
" 17	" " in Police Court, city cases, November	186 55	
	Total Resources		$ 14,387 74
	DISBURSEMENTS.		
January 31	Claims paid by Secretary in January	$ 163 73	
February 28	" " " February	182 19	
March 31	" " " March	151 58	
April 30	" " " April	163 79	
May 31	" " " May	784 26	
June 30	" " " June	111 96	
July 31	" " " July	461 64	
August 31	" " " August	705 42	
September 30.	" " " September	111 99	
October 31	" " " October	1,422 47	
November 30.	" " " November	3,034 49	
December 31	" " " December	240 75	
	Total Disbursements		$ 7,534 27
	Balance January 1, 1890		$ 6,853 47

CONTINGENT FUND—*Continued.*

RECAPITULATION.

RESOURCES.		
Balance January 1, 1890		$ 10,429 56
Marshal fees in Police Court, city cases	$ 1,800 25	
" " " state "	1,062 92	
" " in Court of Common Pleas and Grand Jury	273 04	
" " collected at Workhouse	245 46	
Interest on moneys invested	558 29	
Refunded for telegrams, etc	18 22	
		3,958 18
Total		$ 14,387 74
DISBURSEMENTS.		
Claims paid during the year		7,534 27
Balance January 1, 1890		$ 6,853 47
ASSETS.		
Cash deposited at Savings and Trust Co	$ 3,629 57	
" " Citizens' Savings and Loan Association	2,859 08	
Cash in the City Treasury	205 52	
Cash in Secretary's safe	159 30	
Total		$ 6,853 47

EXPENDITURES PAID FROM THE DIFFERENT FUNDS.

Month.	Paid from			Total.
	Police Dep't Fund.	Police Court Fund.	Contingent Fund.	
January	$ 21,155 89	$ 260 18	$ 163 73	$ 21,579 80
February	21,674 19	350 41	182 19	22,206 79
March	22,878 43	52 35	151 58	23,082 36
April	23,261 19	697 86	163 79	24,122 84
May	22,872 68	4,505 48	784 26	28,162 42
June	23,065 73	2,769 86	111 96	25,947 55
July	23,949 43	915 00	461 64	25,326 07
August	27,615 16	1,343 05	705 42	29,663 63
September	31,761 66	770 75	111 99	32,644 40
October	28,009 44	268 06	1,422 47	29,699 97
November	28,286 39	1,252 87	3,034 49	32,573 75
December	28,781 35	97 12	240 75	29,119 22
Total	$ 303,311 54	$ 13,282 99	$ 7,534 27	$ 324,128 80

EXPENSES OF THE

	Buildings.	Rents.	Repairs and Furniture.	Fuel.	Gas Lighting.	Supplies, Printing and Stationery.
1st Precinct Station	$.....	$.....	$ 765 43	$ 589 21	$ 757 80	$ 60 03
2d "	.....	.....	73 57	113 22	74 10	6 35
3d "	.....	.....	59 60	140 04	75 20	5 00
4th "	.....	400 00	108 74	46 28	105 50	5 00
5th "	.....	108 00	310 66	14 52	.....	7 20
6th "	.....	.....	41 65	57 64	77 40	5 00
7th "	.....	.....	62 67	78 04	93 80	30 00
8th "	.....	420 00	169 18	188 83	230 30	6 54
9th "	.....	.....	52 99	130 30	71 70	9 00
10th "	.....	.....	45 35	86 37	75 20	5 00
11th "	.....	37 25	239 48	13 17	20 90	6 01
Patrol Sta. No. 1...	.....	270 00	59 86	64 05	92 80	20 98
" " 2...	.....	250 00	12 88	50 22	90 30	19 65
" " 3...	2,238 38	.....	140 70	4 73	1 50	21 11
Patrol System.....	.....	.....	198 94	.....	119 00	297 44
Detectives.....	.....	.....	130 55	.....	.....	.....
General Account...	.....	.....	64 36	.....	21 40	2,982 27
Salaries	.....	.....	.....	.....	.....	.....
West Side Station..	22,537 75	.....	.....	.....	.....	98 21
Total.....	$ 24,776 13	$ 1,485 25	$ 2,536 61	$ 1,576 62	$ 1 906 90	$ 3,584 79

DIFFERENT STATIONS.

Janitor and Laundry Work.	Construction Stock and Apparatus.	Forage and Horse-shoeing	Secret Service.	Incidentals.	Rent of Telephones.	Salaries.	Total.
$ 73 92	.....	.....	$176 01	533 59	$.....	$.....	$ 2,955 99
24 00	.....	.....	.....	11 09	25 00	.....	327 83
33 37	.....	.....	2 00	18 74	25 00	.....	358 95
235 25	.....	.....	.....	24 11	25 00	.....	949 88
88 22	.....	.....	50	12 20	10 96	.....	552 26
237 12	.....	.....	.....	21 34	25 00	.....	465 15
239 25	.....	.....	.....	21 71	25 00	.....	550 47
28 75	.....	.....	.....	62 31	25 00	.....	1,130 91
238 50	.....	.....	.....	15 07	25 00	.....	542 56
235 00	.....	.....	.....	19 72	25 00	.....	491 64
31 21	.....	.....	.....	16 34	11 10	.....	375 46
5 36	729 75	584 54	.....	277 09	25 00	.....	2,129 43
14 25	751 35	498 83	.....	86 24	25 00	.....	1,798 72
.....	1,205 00	116 63	.....	90	.....	.....	3,728 95
.....	2,433 58	.....	.....	110 55	70 00	.....	3,229 51
.....	.....	.....	.....	.....	.....	.....	130 55
.....	.....	.....	103 34	1,166 23	133 89	.....	4,471 49
.....	.....	.....	.....	.....	.....	277,303 59	277,303 59
.....	.....	.....	.....	.....	.....	.....	22,635 96
$ 1,484 20	$ 5,119 68	$ 1,200 00	$ 281 85	$ 2,397 23	$ 475 95	$277,303 59	$ 324,128 80

EXPENDITURES OF THE DIFFERENT STATIONS IN EACH MONTH.

Months.	1st Precinct.	2d Precinct.	3d Precinct.	4th Precinct.	5th Precinct.	6th Precinct.	7th Precinct.	8th Precinct.	9th Precinct.	10th Precinct.	11th Precinct.
January	$ 351 52	$ 28 25	$ 53 23	$ 22 00	.....	$ 22 50	$ 43 62	$ 57 70	$ 43 08	$ 43 45	.....
February	371 26	60 72	73 88	80 50	.....	38 62	56 34	280 51	63 65	34 05	.....
March	255 03	43 40	16 20	142 30	.....	56 75	50 01	108 93	35 74	38 87	5 00
April	394 44	35 54	49 92	53 20	154 61	56 08	66 03	193 47	55 60	36 34	133 95
May	245 48	27 09	14 67	36 90	134 53	26 95	28 10	55 65	27 90	37 07	24 50
June	151 46	5 70	8 57	32 70	41 61	31 40	38 50	58 10	25 20	35 65	28 86
July	167 21	7 85	8 42	127 60	25 75	26 15	31 75	50 25	27 20	23 60	5 50
August	339 75	7 05	17 43	51 58	58 01	24 20	30 40	57 65	24 80	25 10	6 00
September	145 11	27 80	30 76	148 00	37 00	45 60	47 40	72 35	47 75	55 36	46 65
October	91 49	9 75	8 72	26 48	24 33	23 50	37 50	57 75	53 79	27 60	6 00
November	291 07	30 12	24 03	72 66	36 60	69 87	82 78	115 21	62 10	58 50	41 68
December	152 17	44 06	53 12	155 96	39 82	43 53	38 04	113 34	75 75	76 05	77 32
Total	$ 2,955 99	$ 327 33	$ 358 95	$ 949 88	$ 552 26	$ 465 15	$ 550 47	$ 1,130 91	$ 542 56	$ 491 64	$ 375 46
* Supplies and Stationery issued	251 02	61 24	105 49	67 52	71 18	58 30	53 43	90 82	55 85	64 22	62 33
Total expense in 1889	$ 3,207 01	$ 388 57	$ 464 44	$ 1,017 40	$ 623 44	$ 523 45	$ 603 90	$ 1,221 73	$ 598 41	$ 555 86	$ 437 79

* Issued by the Secretary each month and charged to the General Account, to be added to each Station, and deducted from General Account.

EXPENDITURES OF THE DIFFERENT STATIONS IN EACH MONTH.—*Continued.*

Months.	Patrol Station No. 1.	Patrol Station No. 2.	Patrol Station No. 3.	Patrol System.	Detectives.	General Account.	Salaries.	New West Side Station, 8th Precinct.	Total.
January	$ 141 74	$ 80 06	.....	$ 104 19	.....	$ 130 25	$ 20,458 21	.....	$ 21,579 80
February	32 60	196 55	.....	63 50	.....	404 98	20,449 63	.....	22,206 79
March	167 10	140 49	.....	107 82	.....	180 92	21,733 80	.....	23,082 36
April	63 57	85 79	.....	84 72	.....	349 94	22,099 64	300 00	24,122 84
May	477 66	45 33	.....	61 45	.....	565 89	22,213 25	4,140 00	28,162 42
June	283 48	45 75	.....	15 72	.....	219 95	22,214 90	2,710 00	25,947 55
July	361 68	306 73	.....	74 15	.....	242 65	22,055 58	1,784 00	25,326 07
August	189 80	64 85	362 63	279 18	.....	450 22	22,010 98	5,664 00	29,663 63
September	193 37	130 25	1,267 00	425 25	.....	206 07	25,828 93	3,889 75	32,644 40
October	71 94	47 20	904 80	100 98	.....	1,337 20	25,969 94	901 00	29,699 97
November	131 81	588 27	1,030 42	1,753 47	127 15	243 38	26,121 42	1,693 21	32,573 75
December	14 68	67 45	164 10	159 08	3 40	140 04	26,147 31	1,554 00	29,119 22
Total	2,129 43	1,798 72	3,728 95	3,229 51	130 55	4,471 49	277,303 59	22,635 96	324,128 80
* Supplies and Stationery issued	52 50	28 10	25 98	45 99	42 40	1,136 37	.....	.....	.....
Total expense in 1889	$ 2,181 93	$ 1,826 82	$ 3,754 93	$ 3,275 50	$ 172 95	$ 2,335 12	$ 277,303 59	$ 22,635 96	$ 324,128 80

* Issued by the Secretary each month and charged to the General Account, to be added to each Station, and deducted from General Account.

CLOTH ACCOUNT.

	RECEIPTS.		
January 1, 1889.	Cash on hand	$ 414 01	
	Sale of cloth during the year	3,481 12	
	Total receipts	$ 3,895 13	
	DISBURSEMENTS.		
	Paid for cloth during the year	$ 3,428 76	
December 31, 1889.	Balance		$ 466 37
	Cash on hand	$ 305 53	
	Amount outstanding	160 84	
	Total		466 37
	CLOTH ON HAND.		
	3⅝ yards of Summer cloth at $2.50	$ 9 06	
	43 " Doeskin " $2.00	86 00	
	28 " Beaver " $4.00	112 00	
	4⅝ " Blue " $2.88	13 32	
	28 helmets at $2.50	70 00	
	3 caps at $1.80	5 40	
			295 78
	Total amount in Cloth Fund		$ 762 15

SPECIAL POLICEMEN

Appointed during the year, at request of citizens and companies.

Name.	Where Stationed.	Date of Appointment.	Resigned.
P. Roskopf	Cleveland Foundry Co. yards	Jan. 2, 1889	Oct. 12, 1889.
John Cleary	Prospect Rolling Mill	" 11, "	
Jas. McGovern	" "	" 11, "	Mar. 7, 1889.
H. Potter	Prospect st., from Sterling to Case	Feb. 5, "	
L. B. Woodward	Euclid ave., Streator to Lincoln ave.	" 5, "	
L. Kern	Cleveland Rolling Mill Co.	" 5, "	
A. J. Osborne	Weddell House	Mar. 14, "	
A. Kedward	N. Y., C. & St. L. R. R. Co.'s prem's	" 19, "	
P. Costello	Lake Shore & M. S. R. R. Shops	" 14, "	
T. A. Heighton	Saginaw Bay Co.	Apr. 16, "	
R. McReynolds	Bolton avenue	May 15, "	
J. C. King	Park Pavilion	" 24, "	
D. McCloskey	St. Clair st., Erie to Dodge st.	" 28, "	
B. Signor	Euclid ave., Perry to Sterling ave.	July 16, "	
P. P. Fritzinger	Genesee ave., Euclid to Hough ave.	" 16, "	
Geo. H. Stanbridge	H. R. Jacobs' Theatre	" 31, "	
H. Heidebrink	C., C., C. & I. R. R. Co.	" 31, "	
James Hutchinson	Euclid ave., Euclid Pl. to Morse ave.	" 31, "	
Geo. F. Fifield	H. R. Jacobs' Theatre	" 31, "	
John McIntyre	Euclid, Erie, Huron & Ontario sts.	Sept. 3, "	
Hiram Ross	Paul Kindsvater's Garden	" 3, "	
John Reed	Pennsylvania Co.'s shops	" 10, "	
J. F. Randolph	Cleveland Evangelical Society	" 17, "	
N. Smith	E. I. Baldwin, Hatch & Co.	" 24, "	
M. Bruder	Euclid ave., Perry to Sterling ave.	Nov. 22, "	
Alex. Noble	Ohio & Penn. Coal Co. Beidler & Rhodes Coal Co.	Dec. 3, "	
James Abrams	L. S. & M. S. R. R. Co.'s shops	" 17, "	

CITY OFFICERS AND EMPLOYES CLOTHED WITH POLICE POWERS DURING THE YEAR.

Name.	Official Position.	Date of Appointment.
Lewis N. Morris	Janitor Public Library	January 2, 1889.
Michael Reddy	" " Schools	" 5, "
S. A. Logan	" Armory, Gattling Gun Battery	February 5, "
Hamlet Bennett	Park tender	April 2, "
Wm. C. Harris	Watchman at City Infirmary	March 25, "
Chas. A. Metcalf	Park tender	May 2, "
August Link	Watchman at Water Works	" 7, "
E. L. Doran	Assistant Supt. Markets	June 4, "
Fred Kohler	Watchman Woodland Cemetery	" 4, "
W. F. McRobert	Employes in Street Commissioner Department.	July 2, "
Geo. Schworm	" " " "	" 2, "
P. Bernard	" " " "	" 2, "
John Sohl	" " " "	" 2, "
A. H. Stohlman	" " " "	" 2, "
D. A. Kimball	" " " "	" 2, "
M. Simmons	" " " "	" 2, "
J. H. Dopmeyer	" " " "	" 2, "
Christ Lards	" " " "	" 2, "
John W. Jones	" " " "	" 2, "
J. M. Holt	" " " "	" 2, "
Otto Kunkel	Watchman at City Infirmary	June 18, "
Chas. Roof	Truant Officer	Sept. 24, "
John Burke	Driver of patrol wagon	Nov. 22, "
Wm. Roberts	" " "	" 22, "

APPOINTMENTS.

Applications for appointment in the service of the Cleveland Police Force must be made upon blanks furnished by the Secretary in the applicant's own handwriting, setting forth under oath that he is above the age of 25 years and under the age of 38 years; that he is at least 5 feet 7 inches in height, and has resided continuously in the city of Cleveland for 4 years last past, and is a citizen of the United States. When an examination is ordered by the Board of Police, the Mayor appoints two Examining Committees, to whom all the applications are referred.

The first Committee consists of two citizens, one Democrat and one Republican, and the Police Surgeon, who examine applicants solely as to their physical qualifications, viz: general health, strength and agility, eye-sight and hearing.

The second Committee consists of two citizens, one Democrat and one Republican, and the Superintendent of Police, who examine the applicants with reference to all matters outside of physical qualifications, viz: general character, habits and reputation, experience, reading from print and manuscript, writing from manuscript and dictation, spelling, arithmetic, police rules and regulations, questions relating to Cleveland City Government, location of streets, etc.

No person is entered upon the eligible list whose standing on any of the qualifications or obligatory subjects is less than fifty, or whose average on all is below seventy.

No applicant who fails to pass up to the required standing of physical qualification, before the first Board, shall be examined by the second Board.

No appointments are made upon the force except from those names who are enrolled upon the eligible list of said Committee of Examiners.

Examinations are held as often as the wants of the Department may require, notice of such examination is published in the official newspaper, and the applicants notified by the Secretary to appear for examination.

Since the adoption of the above rules, March 30, 1886, three examinations have been held, in April, 1886, December, 1887, and July, 1889.

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION IN APRIL, 1886.

Names.	Appointed Patrolman.	Remarks.
Albreu, J. A.	April 27, 1886	Resigned Nov. 22, 1889.
Anderson, J., Jr.	January 13, 1887	
Brandt, August	April 22, 1886	
Bergman, Chas.		
Barrow, Richard J.	February 18, 1887	
Bringman, Henry	February 26, 1889	Discharged Sept. 3, 1889
Breheney, Patrick	March 15, 1887	
Bash, Frank V.	June 21, 1887	
Bidlingmyer, T. H.	March 6, 1888	
Beal, John		
Carroll, Henry	June 17, 1886	
Connell, John J.	December 20, 1887	
Commerford, Thos.	December 31, 1886	
Conway, Mathew	May 8, 1888	
Corrigan, Edward	August 16, 1887	
Doering, Frederick	March 6, 1888	
Dier, Wm.		
Durchschlag, E.	December 7, 1886	
Fife, Kinsy	June 14, 1887	
Fischer, Fred.	December 20, 1887	
Griffin, W. R.	January 11, 1887	Resigned Oct. 22, 1888.
Heveran, J. P.		
Hageman, T. J.		
Harrison, Wm.	March 3, 1887	Died January 26, 1889.
Hanley, Jas.	April 23, 1886	
Kadel, Geo. A.	June 6, 1886	
Knoch, A. J.	February 25, 1887	Refused appointment.
Koehler, J. H.	May 4, 1886	
Kernan, J. F.	April 8, 1887	
Kelley, F. A.	March 15, 1887	
Ladders, Wm.	January 11, 1887	Dismissed June 21, 1887
Mershon, H. M.	January 11, 1887	
Meacham, C. L.	January 11, 1887	

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION IN APRIL, 1886.—*Continued.*

Names.	Appointed Patrolman.	Remarks.
McElhaney, M. M.	May 4, 1886	
McNally, Jas.	March 15, 1887	
McAleer, Wm.	March 22, 1887	
Murphy, Thos.		
Masterson, Michael	January 11, 1887	
McDonnell, R. C.	March 15, 1887	
McNeeley, M.		
Neary, J. P.	April 17, 1888	
O'Reilley, P. W.	March 15, 1887	Died May 23, 1889.
O'Malley, M. E.	May 8, 1888	
O'Laughlin, Wm.	July 16, 1889	
Pierce, Silas	April 22, 1886	
Phillips, Daniel		
Reegan, Peter	July 16, 1889	
Sanders, Chas.	February 18, 1887	
Sheehan, N.	April 8, 1887	
Shibley, C. H. M.	August 18, 1886	Dismissed Dec. 6, 1877.
Watt, Wm.	May 20, 1886	
Walker, Alfred	July 1, 1886	
Weisbarth, C. L.	March 20, 1888	
Wilford, F. R.		

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION DECEMBER, 1887.

Names.	Appointed Patrolman.	Remarks.
Barber, Frank A.	January 11, 1889	
Bennett, Wm.	July 16, 1889	
Bleasdale, Ernst	September 18, 1888	
Brown, F. E.	February 21, 1888	
Burghardt, Jacob	July 16, 1889	
Carlen, Thos. J.		
Cary, M. K.	October 22, 1888	
Cole, Jay		
Collins, James	January 11, 1889	
Commerford, Thos. J.	January 15, 1889	
Crail, Chas. M.		
Cummings, John	March 25, 1889	
Cummiskey, Leonard	February 26, 1889	
DeHondt, C. A.	January 11, 1889	
Dempsey, M. J.	July 16, 1889	
Distel, Lawrence		
Durfey, Chas. H.	July 16, 1889	
Durgetto, J. F.		
Farragher, Patrick	February 26, 1889	
Fergus, Michael	September 11, 1888	
Gallagher, John E.	July 17, 1888	
Gallagher, Terry	June 5, 1888	
Gerow, Henry A.	January 15, 1889	
Gilbride, Michael	July 16, 1889	
Hayman, W. R.	May 1, 1888	
Hefferman, Daniel		
Hilliard, James	January 11, 1889	
Hines, Patrick	February 26, 1889	
Holcomb, Burton	October 8, 1889	
Howlett, M. J.	January 11, 1889	
Jacobson, Henry	May 8, 1888	
Jirsie, Otto	January 11, 1889	
Kelley, Edward	January 11, 1889	

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION DECEMBER, 1887.—*Continued.*

Names.	Appointed Patrolman.	Remarks.
Kolaszewski, Leo	May 8, 1888	
Kruchel, Albert		
Lyle, Chas. N	May 8, 1888	
McGinty, Thos	January 11, 1889	
Moore, F. J	July 16, 1889	
Moulton, Miles	January 11, 1889	
Mullee, Michael	October 8, 1888	
Poser, Andrew J		
Ralph, Joseph	May 8, 1888	
Rudkin, B		
Seely, Daniel D	January 11, 1889	
Siegrist, Philip	May 8, 1888	
Stein, Jacob H	January 11, 1889	
Tompkins, Frank F		
Wade, J. E	January 11, 1889	

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION JULY, 1889.

Names.	Appointed Patrolman	Remarks.
Arndt, Herman		
Bartel, Fredrick C		
Barlow, John		
Bayton, Edward	July 16, 1889	
Beyer, H. F		
Blackmur, F. L		
Boulton, E. W	July 16, 1889	
Brandt, Gustave		
Brennan, Luke G		
Brenner, Chas., Jr		
Brown, Ephraim	July 16, 1889	
Brown, Hiram G		
Bouker, L. E	October 2, 1888	Driver of Patrol Wagon.
Carey, G. W	July 16, 1889	
Chambers, James		
Conners, Patrick	July 16, 1889	
Cook, Harry		
Corns, Evan	July 16, 1889	
Crall, F. S		
Cullinan, Thos		
Curphy, Jos		
Carry, John		
Farr, J. M	September 3, 1889	
Fitzgibon, John		
Frederick, H. F		
Fitzgerald, Michael	July 16, 1889	
Gallagher, Michael	July 16, 1889	
Gannon, J. E	July 16, 1889	
Goff, Robert G		
Gorey, Edward		
Green, A. J		
Guenther, W. F	July 16, 1889	
Hackenberg, H. W	July 16, 1889	

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION JULY, 1889.—*Continued.*

Names.	Appointed Patrolman	Remarks.
Hannan, E. J	July 16, 1889	
Harris, Chas. A	July 24, 1889	
Hawkins, Chas	July 24, 1889	
Hennessey, Thos		
Hennis, Chas. H		
Hill. Peter E		
Hoenig, Frank	July 16, 1889	
Horazdovsky, Jos		
Horn, Adam		
Isaac, Albert	July 16, 1889	
Jirele, James		
Johnson, P. M	July 16, 1889	Dismissed Nov. 26, 1889.
Johnson, Walter		
Jones, John E	July 16, 1889	
Jones, Wm. D	July 18, 1889	
Kavanagh, John J		
Kelly, Jos. A		
Kilbane, Joseph	July 16, 1889	
Kilbane, Patrick		
King, Wm. B		
Kleinman, J. H	July 16, 1889	
Kohler, Fred	July 16, 1889	
Kurtz, J. F	July 24, 1889	
Lafountaine, Henry		
Lloyd, Howard D	July 16, 1889	
Longdon, Frederick		
Lynch, D. A		
Madden, Thomas	July 16, 1889	
Mangan, Patrick	July 16, 1889	Resigned Sept. 3, 1889.
Martin, James J.	July 16, 1889	
Masterson, Patrick	July 16, 1889	
Mathews, John S		
Meehan, James	July 16, 1889	

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION JULY, 1889.—*Continued.*

Names.	Appointed Patrolman	Remarks.
Merrifield, Edward		
Miller, Frank A		
Miles, Frank P		
Mooney, W. H	July 16, 1889	
Morgan, John M	July 16, 1889	
Mueller, Henry Jr		
Murphy, Jerry		Lineman.
Murphy, A. J		
Mylett, P. J	July 16, 1889	
McCabe, Owen		
McCarthy, Jas H		
McDonnell, R. J	July 16, 1889	
McDonough, Timothy	September 3, 1889	
McDowell, Johnson		
McElroy, A. C	July 16, 1889	
McGlynn, Thos	July 16, 1889	Dismissed Nov. 22, 1889.
McIntyre, John		
McIntyre, P. F	June 4, 1889	
McTigue, Hugh	July 16, 1889	
McKibben, Samuel		
McManmon, Darby		
Oerxel, John		
Park, J. B		
Patton, Martin	July 16, 1889	
Pillars, L. J		
Ploybart, Albert		
Porter, Thos. H	July 16, 1889	
Purma, Frank		
Reiber, John		
Rice, James B		
Richards, John I	July 16, 1889	
Rusicka, Joseph		
Sadler, Wm. C		

APPLICANTS WHO PASSED SUCCESSFUL EXAMINATION JULY, 1889.—*Continued.*

Names.	Appointed Patrolman	Remarks.
Sadler, Willis F.		
Salomon, John C.		
Shakelton, Henry		
Shafranek, Chas.	July 24, 1889	
Shattuck, N. A.	July 16, 1889	
Strief, Geo. A.		
Smith, J. H.		
Smith, J. P.		
Splete, F. W.		
Sprosty, Jos. W.		
Thomas, J. M.		
Thorpe, Wm. J.	July 16, 1889	
Tuttle, Geo. E.		
Vandeweel, F. H.		
Whalen, Thos. W.	June 4, 1889	
Wilmore, H. L.		
Wilson, Jos. S.		
Wilson, Wm. R.		
Wright, Chas. W.		
Walsh, James		

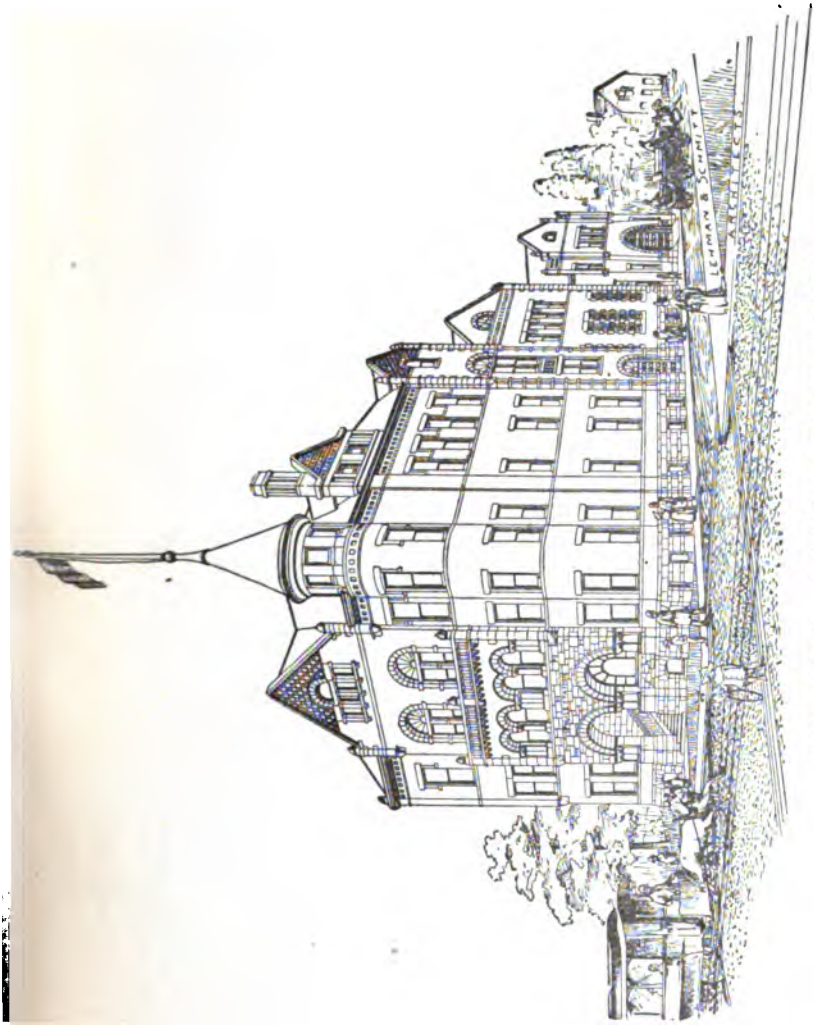
THE NEW 8TH PRECINCT POLICE STATION.

COST AND EXPENSE OF THE NEW 8TH PRECINCT STATION, CORNER DETROIT AND STATE STREETS.

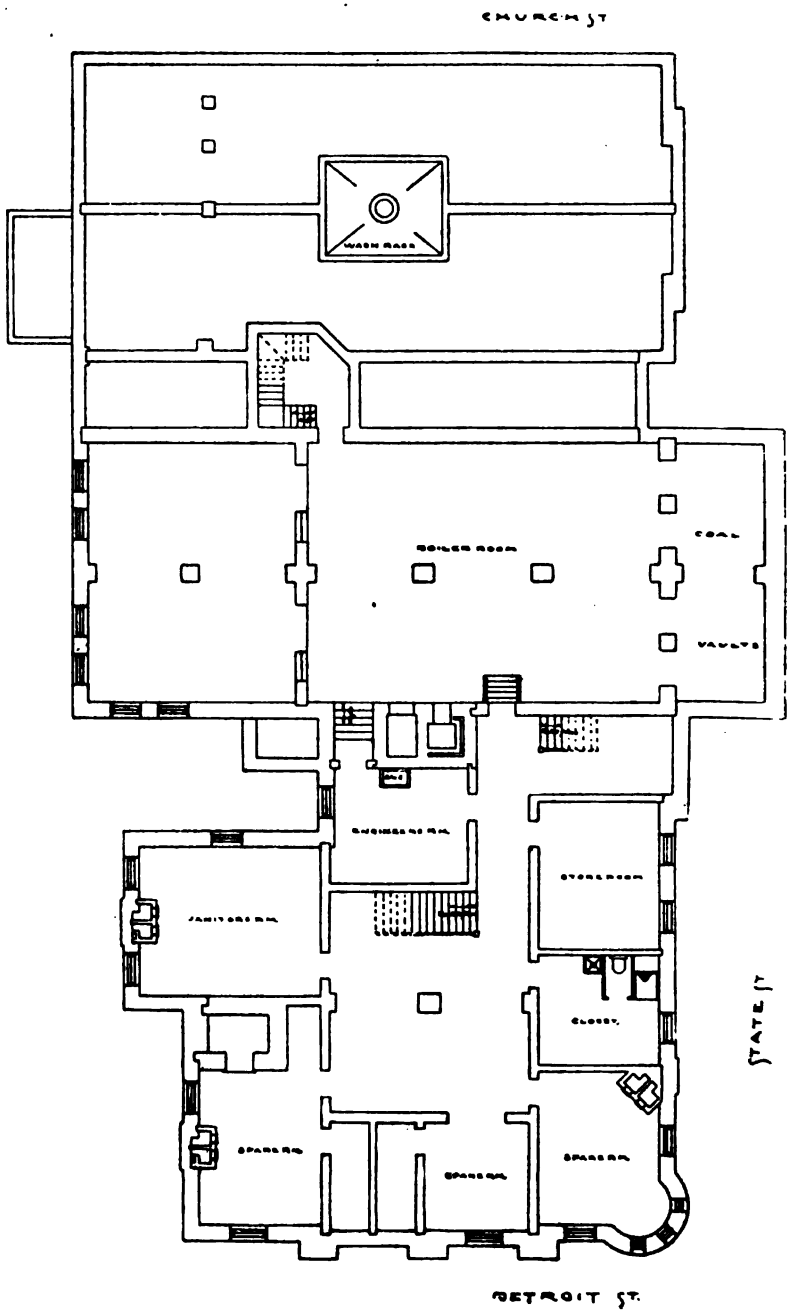
Name.	Contracts.	Estimates Paid.	Due on Contracts.	Total Paid.
Julius Schulze, mason work	$ 11,431 00	$ 11,166 00	$ 265 00	$ 11,166 00
Frank Campbell, cut stone work	4,800 00	4,350 00	450 00	4,350 00
Skeel Bros., carpenter work	3,606 75	3,202 75	404 00	3,202 75
Van Dorn Iron Works, iron work	2,557 00	2,070 00	487 00	2,070 00
C. W. Stran & Co., galv. iron, tin & slate	1,249 00	1,249 00	.....	1,249 00
Lehman & Schmitt, architects	.....	.....	.....	500 00
Advertising for bids	.....	.....	.....	137 61
Totals	$ 23,643 75	$ 22,037 75	$ 1,606 00	$ 22,675 36

ESTIMATED EXPENSE OF THE COMPLETE BUILDING.

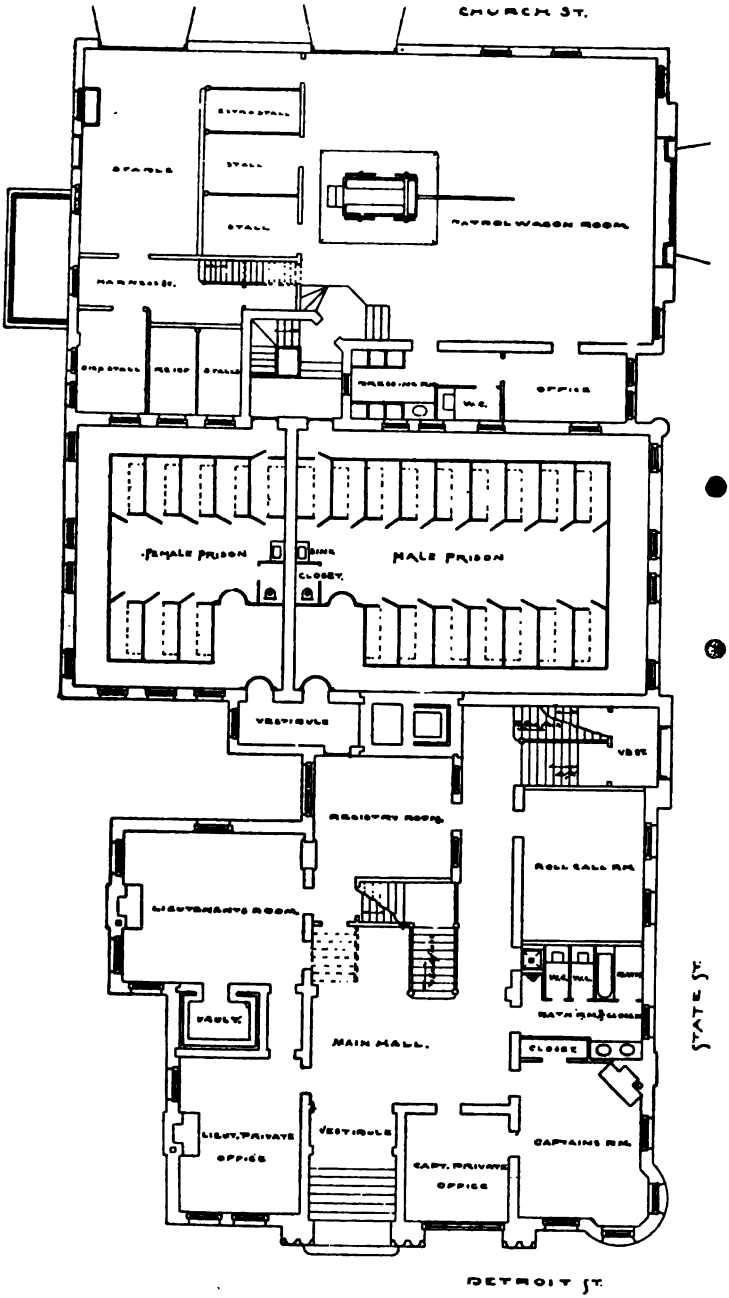
	Amount to be appropriated.	Total.
Amount already expended		$22,675 36
Balance due on existing contracts	$ 1,606 00	
Bids for the interior work received October 8, 1889:		
Forest City Wire & Iron Works, iron work	325 00	
George Counter, carpenter work	8,950 00	
Morgan Steam Heating Co., steam heating	2,640 00	
Van Cleve Glass Co., glass	1,414 00	
J. W. Dube, painting	997 00	
J. J. Kennedy, plastering	1,725 00	
McIntosh, Huntington & Co., hardware	709 59	
Daykin Bros., plumbing	2,115 24	
" gas	192 00	
" sewer	78 00	
Chas. F. Mehling, tile	1,094 00	
Joseph Bahl, stone carving	210 00	
Clapp & Kushman, decorating	790 00	
Estimated cost of iron cell work	6,000 00	
" fees of architects	2,000 00	
		$30,845 83
Total expense		$53,521 19



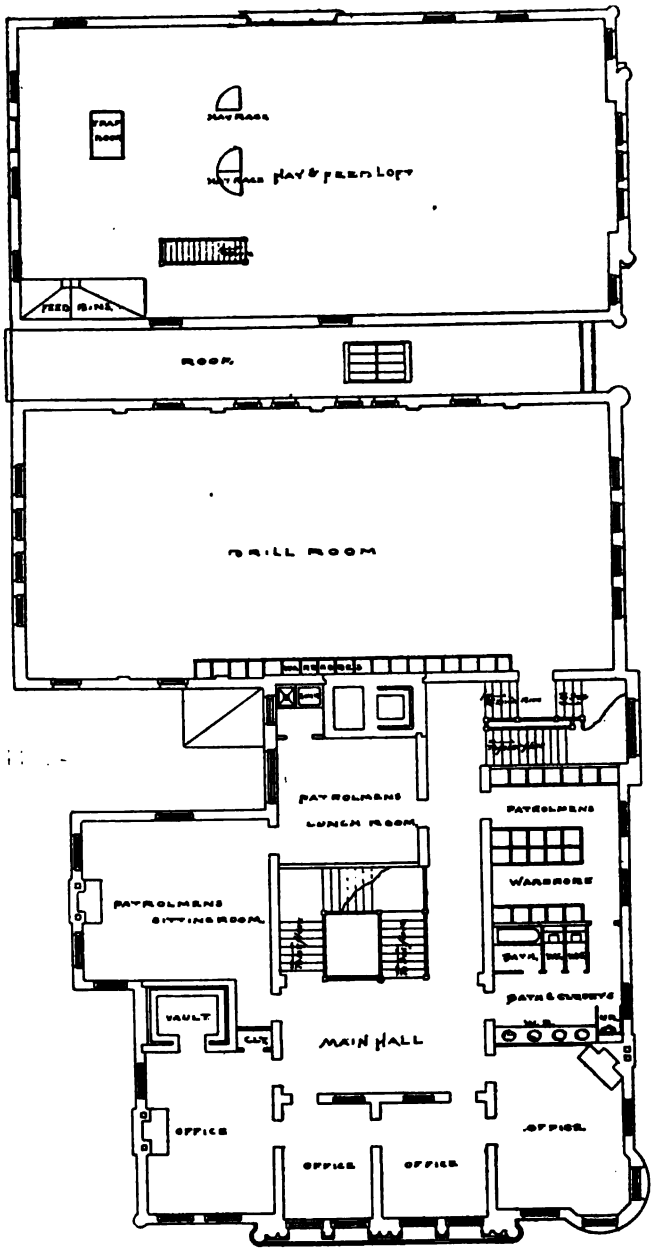
THE NEW 8TH PRECINCT POLICE STATION.



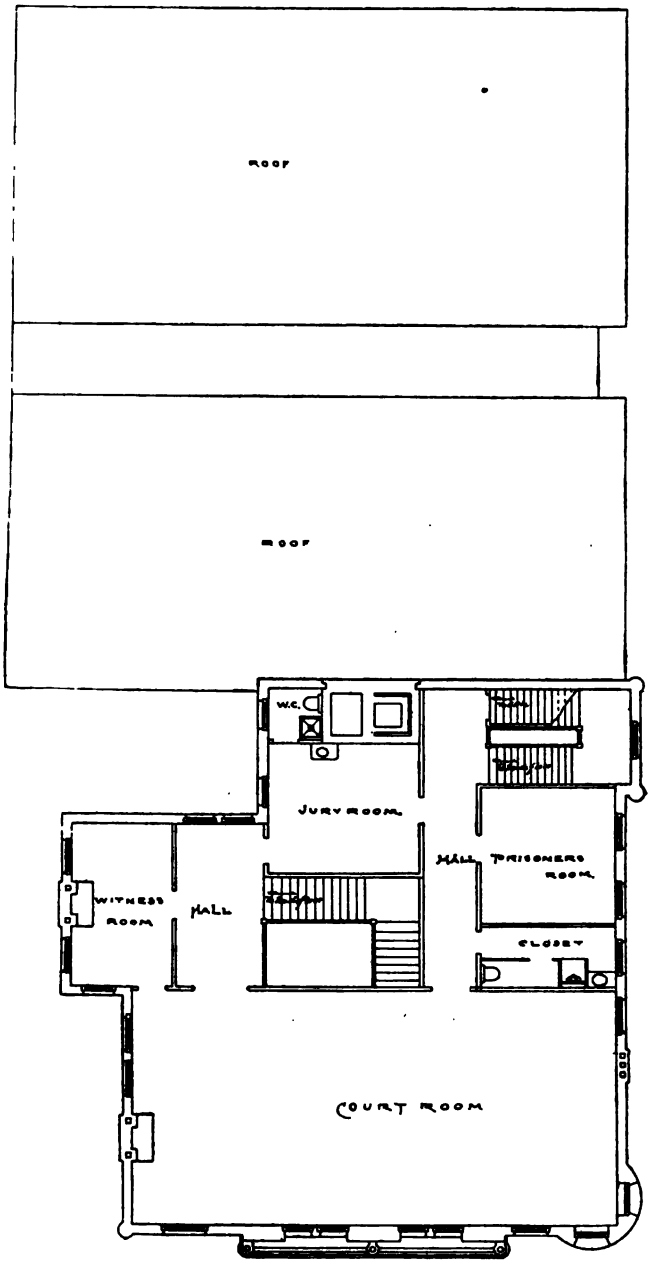
BASEMENT PLAN



FIRST FLOOR PLAN.



SECOND FLOOR PLAN.



THIRD FLOOR PLAN

REPORT OF THE POLICE SURGEON.

CLEVELAND, January 1, 1890.

To the Honorable Board of Police Commissioners:

GENTLEMEN:—I have the honor to submit the following report as Police Surgeon for the year ending December 31, 1889:

During that period there have been four deaths in the Department, viz:

Patrolmen—Wm. Harrison, No. 176; P. W. O'Reilley, No. 182; E. A. Boynton, No. 63; and John J. Mollan, retired on Pension Roll.

Patrolman Wm. Harrison died January 26, 1889, of typhoid fever, after an illness of 45 days.

Patrolman P. W. O'Reilley died May 23, 1889, of kidney trouble, after an illness of several months.

Patrolman E. A. Boynton died May 27, 1889, of pneumonia.

John J. Mollan died May 25, 1889, of gall stone. After fifteen years of active service, he was retired and placed on Police Pension Roll September 11, 1888.

The total number of days lost by sickness from all causes during the year was 1,866, and by reason of disabilities 217, total 2,083 days; number of professional visits made, 766.

The lost time was largely due to many cases of malaria, colds, rheumatism and injuries.

The daily average of sickness and disability was about 7 of the 295 men on the force.

Were it possible to pension or otherwise provide for those who have become old and infirm after years of exacting service in the Department, and the vacancies thus created filled by young, able-bodied men, it would greatly aid in reducing the time lost by sickness to a minimum.

The number of chronic disabilities must of necessity increase each year, and unless a remedy be applied early, the Department will soon be burdened with men unfit for active duty.

The general health of the department during the year has been fairly good; there has been an absence of acute forms of disease among men, except in a very few instances.

The moral discipline of the force has been good.

The sanitary condition of most of the station houses is good, but that of the Central Station is bad and should be remedied.

CAUSES OF SICKNESS.

Cause of Sickness.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Asthma	3	5	23	4	4	.....	4	2	15	2	.....	.....	62
Boils	2	8	.....	.....	.....	.....	1	1	.....	.....	.....	.....	12
Cramps	.....	6	.....	.....	5	6	7	7	2	.....	.....	.....	33
Catarrh of bladder	.....	.....	43	.....	.....	.....	.....	.....	.....	.....	9	1	53
Colds	66	33	40	41	14	11	9	11	17	18	22	.....	282
Diarrhœa	5	.....	.....	21	.....	.....	1	1	7	.....	.....	7	42
Fever	20	.....	.....	3	4	.....	.....	.....	.....	.....	.....	.....	27
Headache	.....	2	3	.....	.....	.....	2	1	.....	1	.....	.....	9
Heart disease	2	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	17
Injury	13	11	.....	11	32	11	32	16	42	46	53	18	285
Inflamed ear	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	31	36
Inflammation of bowels	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Kidney complaint	.....	.....	.....	.....	11	.....	.....	.....	.....	.....	.....	.....	11
La Grippe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76	76
Lumbago	9	.....	.....	.....	.....	.....	.....	2	.....	8	15	.....	34
Malaria	61	19	43	30	38	19	2	21	35	12	68	2	350
Neuralgia	8	.....	.....	2	1	2	2	.....	13	.....	.....	7	35
Nervous prostration	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	2	.....	6
Pneumonia	38	50	72	14	17	.....	.....	.....	.....	.....	.....	.....	191
Pleurisy	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	21	60	84
Piles	.....	.....	2	.....	.....	.....	.....	2	.....	.....	.....	.....	4
Rheumatism	49	57	42	3	20	2	.....	4	7	33	38	38	293
Rheumatic gout	.....	.....	7	.....	.....	3	.....	3	.....	2	.....	.....	15
Quinsy	9	10	1	.....	.....	.....	.....	6	8	12	7	.....	53
Sore throat	19	.....	7	.....	11	18	.....	.....	.....	.....	.....	.....	55
Venereal disease	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	.....	15
Total	307	201	286	144	161	72	60	77	146	139	250	240	2,083

Respectfully,

F. B. NORTON,

Police Surgeon.

REPORT OF THE EMIGRANT OFFICER.

CLEVELAND, O., January 1, 1890.

J. W. Schmitt, Superintendent of Police:

SIR:—During the year ending December 31, 1889, sixteen thousand and sixty-one emigrants arrived on the different railroads leading into this city, of which four thousand seven hundred and thirty settled in this city of the different nationalities, as follows:

SETTLED IN THE CITY.

Nationality.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Bohemians	29	18	69	108	85	68	65	42	65	37	53	22	661
Danes	.....	.....	.....	5	20	2	.....	.....	.....	.....	.....	1	28
English	24	17	36	72	78	41	24	26	29	49	26	12	434
French	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	2	7
Germans	35	44	129	167	212	149	61	97	137	72	66	52	1,221
Hungarians	19	14	68	27	53	66	32	30	47	26	40	48	470
Irish	18	14	14	56	136	52	32	31	21	32	19	6	431
Italians	.....	.....	20	10	38	49	9	16	8	11	5	28	194
Norwegians	.....	2	.....	4	.....	.....	.....	1	.....	.....	.....	.....	7
Poles	11	11	59	95	98	83	36	44	50	25	23	10	545
Slavonians	3	7	72	82	120	24	52	54	69	33	48	6	570
Swedes	.....	.....	2	10	1	21	7	10	2	2	4	.....	59
Scotch	.....	2	6	5	8	.....	2	5	.....	6	15	.....	49
Welsh	2	5	.....	10	13	6	.....	.....	.....	8	10	.....	54
Total	141	134	475	651	862	561	320	361	428	301	309	187	4,730

ARRIVED IN THE CITY.

January	369
February	444
March	1,323
April	2,401
May	2,816
June	1,941
July	1,047
August	967
September	1,869
October	1,460
November	837
December	587
Total	16,061

Respectfully submitted,

JOHN F. SPROSTY,

Emigrant Officer.

THE CLEVELAND POLICE PENSION FUND.

The following persons constitute the Trustees of this Fund:

GEORGE W. GARDNER, Mayor and Pres't.

POLICE COMMISSIONERS.

I. L. MORRIS, FRANK D. BOSWORTH,

JAMES McNEIL, E. B. CORNELL.

A. S. GATES, Captain.

A. J. BARNES, Patrolman.

JOHN VANEK, Secretary.

In the last report there were thirteen officers on the police pension roll; during the year, one officer, John J. Mollan, died, and one patrolman, Charles Fischer, was retired from active service and placed upon the pension roll.

The following officers are on the Pension Roll:

Rank.	Name.	Date of Appointment.	Placed on Pension Roll.
Patrolman	Thomas Hoban	Sept. 22, 1871	May 15, 1881.
"	Jacob Meyer	Nov. 13, 1871	March 6, 1888.
"	Charles Eccard	May 8, 1868	" "
"	Richard Dunn	May 1, 1866	May 1, 1888.
Lieutenant	Wm. Tompkins	May 1, 1866	May 8, 1888.
"	W. R. Simmonds	May 15, 1867	" "
"	Philip Anthony	Dec. 24, 1870	" "
Patrolman	Killian Dienst	May 1, 1866	" "
"	John Faron	May 1, 1866	" "
"	J. P. Bramley	Nov. 2, 1871	" "
"	Wm. Sorge	Nov. 13, 1871	" "
"	Geo. W. Willis	May 1, 1866	" "
"	Charles Fischer	July 17, 1874	Oct. 1, 1889.

These officers receive in monthly payments the sum of five hundred dollars per year.

OBITUARY.

Four deaths occurred during the year:

WM. HARRISON, Patrolman No. 176; died January 26, 1889. Appointed Patrolman March 3, 1887.

P. W. O'REILLEY, Patrolman No. 182; died May 23, 1889. Appointed Patrolman March 15, 1887.

JOHN J. MOLLAN, Patrolman No. 20; died May 25, 1889. Appointed Patrolman August 22, 1873. Retired from active service and placed on Police Pension Roll September 11, 1888.

E. A. BOYNTON, Patrolman No. 63; died May 27, 1889. Appointed Patrolman January 3, 1878.

$150.00 was paid from this Fund to the heirs of Patrolmen Harrison, O'Reilley and Boynton, and

$500.00 to the heirs of Patrolman Mollan, as provided by law.

REPORT OF THE RESOURCES AND DISBURSEMENTS OF THE CLEVELAND POLICE PENSION FUND,

FOR THE YEAR ENDING DECEMBER 31, 1889.

1889.	RESOURCES.	
Jan'y 1.....	*Balance*.....	$ 38,352 73
" 12.....	From sale of Superintendent Walling's book.....	259 35
" 12.....	Special details for quarter ending Dec. 31, 1888.....	168 10
" 12.....	From P. Roskopf as special police..	5 00
" 21.....	Marshal fees in Police Court state cases for Nov. 1888	46 42
" 21.....	Officers' " " " " " " " 1888	35 64
" 21.....	Marshal " " " " " " Dec. 1888	39 96
" 21.....	Officers' " " " " " " " 1888	35 64
" 21.....	From sale of Superintendent Walling's book.....	32 25
" 29.....	Marshal fees collected at Workhouse, city cases.....	23 17
" 29.....	Officers' " " " " " "	40 00
" 29.....	Marshal fees in Police Court, city cases for Dec. 1888...	57 06
" 29.....	Officers' " " " " " " " " 1888...	138 50
Feb'y 7.....	From John Cleary and Jas. McGovern as special police	10 00
" 25.....	Marshal fees in Police Court, city cases for Jan'y, 1889	51 35
" 25.....	Officers' " " " " " " " " 1889	117 00
" 25.....	From H. Potter, L. B. Woodward and L. Kern as special police.....	15 00
" 26.....	Marshal fees in Police Ct, state cases from Workhouse	50 73
" 26.....	Officers' " " " " " " " "	32 00
March 6.....	Interest on $10,000 bonds, 6 months, 4%.....	200 00
" 23.....	Marshal fees in Police Court, city cases, for February	54 35
" 23.....	Officers' " " " " " " " "	127 50
" 23.....	From A. J. Osborne and A. Kedward as special police	10 00
" 28.....	Marshal fees in Com. Pleas Court, &c., January term	36 60
" 28.....	Officers' " " " " " " "	281 00
" 29.....	Marshal " " Police Court, state cases, for January	23 77
" 29.....	Officers' " " " " " " " "	21 78
" 29.....	Marshal " " " " " " " February	35 64
" 29.....	Officers' " " " " " " " "	26 73
" 29.....	" " " " " bound over.....	133 40
	Forward.....	$ 40,460 67

POLICE PENSION FUND.—*Continued*

1889.	RESOURCES.—*Continued.*	
	Forwarded	$ 40,460 67
April 3	Int. on Note 87, $2,500, 5%, Apr. 23, 1888, to Apr. 1, 1889	118 36
" 3	" $5,000 bonds, 4%, 6 months	100 00
" 11	15% of details for quarter ending March 31, 1889	157 50
" 11	Donated by the L. S. & M. S. R. R. Co	10 00
" 11	From P. Costello as special police	5 00
" 20	Difference in account with Thos. Axworthy	08
" 23	Marshal fees in Police Court, city cases, for March	62 74
" 23	Officers' " " " " " " " "	134 50
May 7	From P. Anthony, 15% as Sergeant-at-Arms of Council	22 50
" 7	" T. A. Heighton as special police	5 00
" 21	Marshal fees in Police Court, city cases, April	68 91
" 21	Officers' " " " " " " "	154 00
" 21	From Roland McReynolds as special police	5 00
" 27	Marshal fees in Police Court, state cases, March	46 76
" 27	Officers' " " " " " " "	49 50
" 27	Marshal " " " " " " April	37 00
" 27	Officers' " " " " " " "	32 67
" 27	From sale of stolen and unclaimed property	94 55
" 27	" J. C. King as special police	5 00
" 28	Marshal fees in Grand Jury, &c., April term	15 73
" 28	Officers' " " " " " " "	57 00
June 12	From sale of Inspector Walling's books	25 50
" 12	" A. McCloskey as special police	5 00
" 12	" A. J. Barnes as Sergeant-at-Arms	2 55
" 18	Marshal fees in Police Court, city cases, for May	94 25
" 18	Officers' " " " " " " " "	187 50
July 1	Interest on $15,000 from Society for Savings, 2 mos., 4%	100 00
" 12	15% of details, quarter ending June 30, 1889	128 25
" 17	Marshal fees in Police Court, city cases, June	76 44
" 17	Officers' " " " " " " "	160 50
	Forward	$ 42,422 46

POLICE PENSION FUND.—*Continued.*

1889.		RESOURCES.—*Continued.*	
		Forwarded	$ 42,422 46
July	20	Officers' fees Grand Jury, &c., April term	150 00
"	20	Marshal " " " " " "	26 27
"	20	From B. Signor as special police	5 00
"	22	Marshal fees Police Court, state cases, May	53 96
"	22	Officers' " " " " " "	41 58
"	22	Marshal " " " " " June	53 23
"	22	Officers' " " " " " "	46 53
"	27	Marshal fees collected at Workhouse, state cases	55 74
"	27	Officers' " " " " " "	51 00
"	27	From P. P. Fritzinger as special police	5 00
Aug.	13	From Geo. H. Stanbridge, H. Heidebrink and James Hutchinson as special police	15 00
"	20	Marshal fees collected at Workhouse, city cases	43 81
"	20	Officers' " " " " " "	86 50
"	20	Marshal fees, Police Court, city cases, July	82 57
"	20	Officers' " " " " " "	163 00
"	20	From Geo. F. Fifield as special police	5 00
Sept.	3	Interest on $10,000 bonds, 4%, 6 months	200 00
"	21	Marshal fees, Police Court, state cases, July	52 51
"	21	Officers' " " " " " "	53 46
"	21	Marshal " " " " " August	41 92
"	21	Officers' " " " " " "	37 62
"	21	From John McIntyre, Hiram Ross and John Reed as special policemen	15 00
"	24	Marshal fees, Police Court, city cases, August	74 56
"	24	Officers' " " " " " "	171 50
"	24	From J. F. Randolph and N. Smith as special police	10 00
"	24	" Detective C. McHannan, 15% of a reward	4 50
"	24	" John Reeves, 15% of a reward	6 00
Oct.	1	Interest on $5,000 Petrie bridge bonds, 4%, 6 months	100 00
"	1	" " $5,000 notes, Case Avenue, 5%, 1 year	250 00
"	15	15% details for quarter ending September 30, 1889	107 00
		Forward	$ 44,430 72

POLICE PENSION FUND.—*Continued.*

1889.	RESOURCES.—*Continued.*		
	Forwarded	$ 44,430 72	
Oct. 21	Marshal fees Police Court, city cases, for September	93 38	
" 21	Officers' " " " " " " "	213 00	
Nov. 19	Marshal fees, Police Court, city cases, for October	91 25	
" 19	Officers' " " " " " " "	232 00	
Nov. 21	Marshal " Common Pleas Court, September term	45 43	
" 21	Officers' " " " " " "	105 00	
" 23	Marshal " Police Court, state cases, September	54 10	
" 23	" " " " " " October	46 17	
" 23	Officers' " " " " " September	50 49	
" 23	" " " " " " October	42 57	
" 30	From M. Bruder as special police	5 00	
Dec. 12	Marshal fees Common Pleas Court, &c., Sept. term	12 48	
" 12	Officers' " " " " " " "	164 00	
" 12	From Alex. Noble as special police	5 00	
" 17	Marshal fees, Police Court, city cases, November	93 28	
" 17	Officers' " " " " " "	198 50	
	Total Resources		$ 45,882 37
	DISBURSEMENTS.		
January 2	Pension pay roll for December, 1888	541 58	
Feb'y 5	" " January, 1889	541 58	
" 5	Pension to Mrs. Wm. Harrison	150 00	
March 5	" pay roll for February, 1889	541 58	
" 5	For safe keeping of bonds	22 00	
" 5	For making out Workhouse fees	7 20	
April 3	Pension pay roll for March, 1889	541 58	
May 7	" " " April, "	541 58	
June 4	" " " May, "	533 52	
" 4	" to Mrs. P. W. O'Reilley	150 00	
	Forward	$ 3,570 62	$ 45,882 37

POLICE PENSION FUND.—*Continued.*

1889.	DISBURSEMENTS.—*Continued.*		
	Forwarded	$ 3,570 62	$ 45,882 37
June 4	Pension to Mrs. E. A. Boynton	150 00	
July 2	" pay roll for June, 1889	499 92	
August 6	" " " July, 1889	499 92	
" 15	" to Mrs. J. J. Mollan	500 00	
Sept. 3	" pay roll for August, 1889	499 92	
" 3	To R. M. Cordes for making out fees bill	23 71	
" 3	To Brooks & Co. for pay roll book	3 75	
October 1	Pension pay roll for September, 1889	499 92	
Nov. 5	" " October, 1889	540 24	
Dec. 3	" " November, 1889	541 58	
	Total Disbursements		7,329 58
	Balance January 1st, 1890		$ 38,552 79

POLICE PENSION FUND.—*Continued.*

RECAPITULATION.

RESOURCES.		
Balance January 1, 1889	.....	$ 38,352 73
Marshal fees in Police Court, city cases	$ 900 14	
Officers' " " "	1,997 50	
Marshal " " state cases	531 44	
Officers' " " "	474 21	
Marshal " Grand Jury and Common Pleas Court	136 51	
Officers' " " " " "	757 00	
Marshal and officers' fees collected at Workhouse	382 95	
15% of special details	560 85	
Commissions of Special Police	130 00	
Interest on bonds and notes	1,068 36	
15% of Sergeat-at-Arms of Council salary	25 05	
From sale of stolen and unclaimed property	94 55	
Donated	327 10	
Rewards	10 50	
Officers' fees in cases bound over	133 40	
Difference in accounts with Ex-Treasurer Axworthy	08	
		7,529 64
Total	.....	$ 45,882 37
DISBURSEMENTS.		
Pay rolls of officers on Pension List	$ 6,322 92	
Pensions to heirs of four deceased officers	950 00	
Paid for safe keeping of bonds and notes	22 00	
" making out Workhouse fees	30 91	
" stationery	3 75	
Total	.....	7,329 58
Balance January 1, 1890	.....	$ 38,552 79

POLICE PENSION FUND.—*Continued.*

RECAPITULATION.—*Continued.*

ASSETS.		
Deposited for safe keeping at the Savings & Trust Co., Cleveland, 10 City of Cleveland bonds (Kingsbury bridge) 4%, payable March 1, 1900, @ $1,000	$ 10,000 00	
5 City of Cleveland bonds (Petrie bridge) 4%, payable April 1, 1894, @ $1,000	5,000 00	
1 City of Cleveland note (East Madison avenue sewer) 5%, payable October 1, 1892	2,500 00	
2 City of Cleveland notes (Case avenue grading, etc.) 5%, each $2,500, payable $2,500 April 1, 1892, and $2,500 October 1, 1892	5,000 00	
		$ 22,500 00
Cash deposited at Society for Savings on 4%		15,100 00
Cash in the City Treasury		952 79
Total		$ 38,552 79

INVENTORY OF PUBLIC PROPERTY APPERTAINING TO THE POLICE DEPARTMENT OF THE CITY OF CLEVELAND.

Stations.	Value of Real Estate.	Value of Miscellaneous Property.	Total.
1st Precinct	$ 60,000 00	$ 3,376 23	$ 63,376 23
2nd "	8,000 00	730 10	8,730 10
3rd "	7,000 00	664 09	7,664 09
4th " (leased)		838 99	838 99
5th " "		451 78	451 78
6th "	8,000 00	843 80	8,843 80
7th "	5,000 00	503 39	5,503 39
8th " (leased)		681 58	681 58
9th "	5,000 00	487 18	5,487 18
10th "	5,000 00	549 52	5,549 52
11th " (leased)		190 56	190 56
Patrol Station No. 1 (leased)		2,060 05	2,060 05
" " 2 "		1,834 49	1,834 49
" " 3	4,238 38	1,580 71	5,819 09
Patrol System and Operating Room		9,288 01	9,288 01
Superintendent's Office		350 00	350 00
Secretary's Office		650 00	650 00
Detectives' Office		382 27	382 27
Supplies on hand		689 90	689 90
The new 8th Prect. Station as far as constructed	33,037 75		33,037 75
Total	$ 135,276 13	$ 26,152 65	$ 161,428 78

The following statistical tables will more particularly show the detailed workings of the force for the year ending Dec. 31, 1889:

ARRESTS MADE DURING THE YEAR.

Month.	Males.	Females.	Total.
January	564	84	648
February	560	53	613
March	686	86	772
April	677	78	755
May	727	137	864
June	846	109	955
July	738	103	841
August	847	100	947
September	878	100	978
October	840	98	938
November	859	98	957
December	895	214	1,109
Total	9,117	1,260	10,377

COLOR.

White	10,062
Colored	315
Total	10,377

SOCIAL CONDITION.

	Males.	Females.	Total.
Married	3,148	597	3,745
Single	5,969	663	6,632
Total	9,117	1,260	10,377

QUALIFICATIONS.

Able to read and write	9,579
Unable to read and write	798
Total	10,377

OFFENSES.

VIOLATING STATE LAWS.

Attachment	3
Assaulting an officer	2
Adultery	2
Arson	4
Assault and battery	445
Assault with intent to rob	4
Assault with intent to kill	4
Assault with intent to rape	13
Attending prize fight	19
Burglary	17
Burglary and larceny	74
Carrying concealed weapons	62
Contempt of court	10
Cruelty to animals	29
Cutting with intent to kill	3
Cutting with intent to wound	27
Destroying property	81
Embezzlement	13
Exhibiting minor children	2
Forgery	16
Fornication	2
Fugitive from justice	17
Grand larceny	68
Gambling	161
Horse stealing	13
House breaking	11
Impersonating an officer	1
Incorrigible conduct	60
Intoxication	320
Libel	7
Keeping resort for thieves	1
Murder	4

Manslaughter	11
Obstructing officer	9
Obtaining money by false pretenses	17
Obtaining goods by false pretenses	5
Petit larceny	483
Passing counterfeit money	1
Pocket picking	25
Performing common labor on Sunday	2
Rape	2
Receiving stolen property	19
Receiving and secreting stolen property	3
Robbery	24
Resisting officer	4
Selling mortgaged property	1
Selling fire-arms to minors	1
Selling liquor to minors	4
Shooting with intent to wound	3
Shooting with intent to kill	6
Violating railroad law	278
" election "	1
" milk "	3
" lottery "	3
" liquor law on Sunday	45
" second-hand dealer law	2
" insurance "	1
" inn keepers "	3
Wrongfully using animals	13
Workhouse—escaping from	1
Total	2,465

VIOLATING CITY ORDINANCES.

Abusing family	5
Careless driving	16
Common beggar	44
Common prostitute	9
Disorderly conduct	394
Disturbance	447
Fast driving	12
Indecent exposure of person	13
Intoxication	5,700

Keeping house of assignation	1
Keeping house of ill fame	66
Keeping gambling rooms	24
Keeping disorderly house	1
Neglecting minor children	28
Residing in house of ill fame	158
Suspicious persons	121
Vagrancy	145
Violating bill posters ordinance	6
" bathing "	9
" building "	1
" dog "	1
" engineers' "	21
" gas "	1
" fire-arms "	25
" health "	29
" hack "	4
" junk "	9
" music "	8
" peddlers' "	49
" barbers' "	1
" property "	129
" sidewalk "	133
" street "	46
" street railroad "	8
" sewer "	1
" water works "	1
" weights and measures ordinance	5
" market "	4
" milk "	1
" park "	1
Visiting house of ill fame	229
" gambling rooms	6
Total	7,912

TOTAL NUMBER OF ARRESTS DURING THE YEAR.

Violating State laws	2,465
Violating City ordinances	7,912
Total	10,377

OCCUPATIONS.

Actors	25
Agents	171
Artists	14
Architects	14
Bakers	51
Barbers	95
Bar tenders	85
Beggars	7
Blacksmiths	123
Boatmen	13
Boiler makers	103
Bolt makers	28
Book-keepers	36
Boot blacks	26
Brakemen	37
Brewers	22
Brick layers	51
Brick makers	5
Butchers	119
Broom makers	21
Cabinet makers	23
Car drivers	19
Carpenters	222
Carriage makers	15
Cigar makers	73
Clerks	196
Cloak makers	6
Coachmen	36
Coal dealers	7
Collectors	16
Conductors	8
Confectioners	9
Contractors	29
Cooks	68
Coopers	29
Core makers	15
Doctors	34
Dress makers	6

Druggists	8
Electricians	6
Engineers	110
Expressmen	21
Farmers	126
Finishers	55
Firemen	102
Gas fitters	7
Gamblers	27
Gardeners	25
Grocers	20
Hackmen	27
Harness makers	11
Heaters	26
Helpers	21
Hostlers	5
Housekeepers	669
Hotel keepers	19
House movers	4
Hucksters	40
Hatters	10
Iron workers	73
Janitors	10
Jewelers	24
Junk dealers	4
Laborers	2,687
Lawyers	20
Livery keepers	8
Machinists	217
Manufacturers	2
Masons	43
Mechanics	20
Merchants	63
Ministers	2
Milkmen	20
Miners	7
Moulders	235
Musicians	31
Millers	6
Newsboys	15

Operators	17
Painters	222
Paper hangers	49
Peddlers	126
Plasterers	41
Plumbers	74
Polishers	52
Porters	29
Printers	98
Prostitutes	376
Puddlers	30
Railroad men	192
Rolling mill men	72
Roofers	40
Sailors	464
Sail makers	15
Saloon keepers	188
School boys	234
School girls	7
Servants	80
Ship carpenters	33
Shoe makers	78
Spring makers	12
Stone cutters	62
Stone masons	7
Tailors	83
Teamsters	250
Thieves	14
Tinsmiths	67
Tugmen	15
Tinkers	12
Turners	4
Teachers	12
Trimmers	2
Undertakers	5
Upholsterers	10
Vagrants	318
Weavers	8
Watchmen	17
Waiters	67

Washerwomen	30
Wire workers	22
White washers	15
No occupation	65
Total	10,377

NATIVITY.

Arabia	1
Australia	2
Austria	47
Bohemia	245
Canada	356
China	21
Denmark	5
England	531
Finland	13
France	30
Germany	1,012
Holland	25
Hungary	135
Ireland	1,592
Isle of Man	15
Italy	34
Norway	22
Nova Scotia	5
Newfoundland	4
Poland	112
Prussia	9
Russia	34
Roumania	1
Scotland	223
Slavacs	19
Spain	3
Sweden	51
Switzerland	36
United States	5,733
Wales	61
Total	10,37

AGES.

Months.	Under Ten.	Ten to Twenty.	Twenty to Thirty.	Thirty to Forty.	Forty to Fifty.	Fifty to Sixty.	Sixty and over.	Total.
January	1	81	245	165	104	36	16	648
February	.....	78	223	170	98	30	14	613
March	2	120	280	186	113	57	14	772
April	2	96	260	208	114	56	19	755
May	1	115	333	211	126	58	20	864
June	5	106	375	272	122	56	19	955
July	2	122	313	218	122	44	20	841
August	5	105	399	217	157	45	19	947
September	1	137	373	229	136	76	26	978
October	3	99	345	246	157	68	20	938
November	3	114	354	238	148	78	22	957
December	.....	138	483	267	146	48	27	1,109
Total	25	1,311	3,983	2,627	1,543	652	236	10,377

FINES AND COSTS COLLECTED.

Months.	By Clerk of Police Court.	By Superintendent of Workhouse.	Total.
January	$ 1,242 97	$ 152 91	$ 1,395 88
February	1,811 60	147 58	1,959 18
March	2,001 13	251 47	2,252 60
April	2,069 00	540 09	2,609 09
May	3,253 50	235 01	3,488 51
June	3,106 44	355 43	3,461 87
July	2,728 79	377 66	3,106 45
August	2,431 65	410 64	2,842 29
September	2,985 20	483 49	3,468 69
October	2,848 04	358 67	3,206 71
November	2,832 18	219 17	3,051 35
December	8,301 17	379 87	8,681 04
Total	$ 35,611 67	$ 3,911 99	$ 39,523 66

DISPOSITION OF CASES.

Months.	Sent to House of Refuge and Correction.	Bound over to Court of Common Pleas.	Fine and Workhouse.	Fine and Cost.	Dismissed.	Cost.	Nolled.	Bond forfeited.	Delivered to Officers from abroad.	Committed to House of Good Shepherd.	Committed to Infirmary.	Committed to Reform Farm.	Delivered to Sheriff.	Cases continued.	Delivered to United States authorities.	Total.
January	3	18	56	384	68	65	44	2	3	3	1	.....	1	.....	.....	6
February	2	16	62	413	37	53	25	.....	.....	.....	.....	.....	5	.....	.....	6
March	6	8	48	500	74	96	33	1	3	.....	1	1	1	.....	.....	7
April	5	10	70	462	68	97	35	1	1	.....	1	1	4	.....	.....	7
May	3	22	58	526	93	127	23	1	6	.....	2	2	1	.....	.....	8
June	4	12	77	644	72	79	56	3	2	.....	2	3	1	.....	.....	9
July	4	16	63	530	102	74	35	4	3	1	1	1	6	.....	1	8
August	3	22	111	630	57	61	52	3	3	1	1	3	.....	.....	.....	9
September	5	10	80	707	71	65	36	2	.....	.....	.....	2	.....	.....	.....	9
October	8	11	63	709	60	50	26	1	3	1	1	4	1	.....	.....	9
November	5	15	66	700	64	58	37	5	2	1	2	2	.....	.....	.....	9
December	1	18	73	825	61	67	29	5	8	.....	1	.....	1	20	.....	1,1
Total	49	178	827	7,030	827	892	431	28	34	7	13	19	21	20	1	10,3

2,211 prisoners of the 7,030 sentenced to "fine and costs," unable to pay the same, we sent to Workhouse.

NUMBER OF PERSONS SENT TO WORKHOUSE AND HOUSE OF REFUGE AND CORRECTION.

Months.	Workhouse.			House of Refuge and Correction.			Total sent to Workhouse & House of Refuge.
	Males.	Females.	Total.	Males.	Females.	Total.	
January	181	30	211	3	.....	3	214
February	156	23	179	2	.....	2	181
March	189	33	222	6	.....	6	228
April	197	30	227	5	.....	5	232
May	182	46	228	3	.....	3	231
June	214	49	263	3	1	4	267
July	204	50	254	4	.....	4	258
August	285	51	336	3	.....	3	339
September	247	50	297	5	.....	5	302
October	232	39	271	8	.....	8	279
November	230	45	275	5	.....	5	280
December	228	47	275	1	.....	1	276
Total	2,545	493	3,038	48	1	49	3,087

NUMBER OF PERSONS SENT TO WORKHOUSE AND HOUSE OF CORRECTION FOR THE PAST EIGHT YEARS.

1882.

Sent to Workhouse	1,514
Sent to House of Refuge and Correction	60
Total	1,574

1883.

Sent to Workhouse	1,507
Sent to House of Refuge and Correction	114
Total	1,621

1884.

Sent to Workhouse	1,812
Sent to House of Refuge and Correction	114
Total	1,926

1885.

Sent to Workhouse	2,098
Sent to House of Refuge and Correction	85
Total	2,183

1886.

Sent to Workhouse	1,829
Sent to House of Refuge and Correction	68
Total	1,987

1887.

Sent to Workhouse	1,981
Sent to House of Refuge and Correction	63
Total	2,044

1888.

Sent to Workhouse	2,022
Sent to House of Refuge and Correction	37
Total	2,059

1889.

Sent to Workhouse	3,038
Sent to House of Refuge and Correction	49
Total	3,087

TOTAL OF ARRESTS FOR THE PAST TWELVE YEARS.

1878	7,151
1879	6,539
1880	7,432
1881	7,465
1882	6,741
1883	7,254
1884	7,270
1885	6,882
1886	6,732
1887	8,588
1888	8,737
1889	10,877

PROPERTY REPORTED STOLEN AND RECOVERED.

Months.	Reported Stolen.	Recovered.	Per Cent. Recovered.
January	$ 5,387 80	$ 2,111 74	
February	3,292 50	2,456 15	
March	2,370 15	936 55	
April	4,490 08	667 98	
May	6,492 40	628 20	
June	10,092 81	448 20	
July	3,721 02	680 75	
August	4,350 08	635 50	
September	4,559 65	884 35	
October	4,877 55	905 20	
November	5,172 32	1,634 78	
December	2,504 48	1,285 75	
Total	$ 57,310 84	$ 13,305 15	23.22

PROPERTY REPORTED STOLEN AND RECOVERED FOR THE PAST SIXTEEN YEARS.

Years.	Stolen.	Recovered.	Per Cent. Recovered.
1874	$35,559 83	$17,856 57	50.75
1875	50,109 77	29,273 26	58.41
1876	34,762 72	24,055 60	69.20
1877	27,677 67	30,055 60	79.76
1878	29,731 43	23,595 95	80.33
1879	21,068 25	13,075 25	62.06
1880	28,780 90	24,913 40	86.56
1881	135,880 75	124,508 09	91.63
1882	45,308 55	22,120 85	47.72
1883	21,266 80	12,180 46	57.22
1884	37,128 67	29,783 16	80.21
1885	32,227 53	14,410 02	44.99
1886	26,775 41	12,840 14	47.95
1887	38,805 64	17,844 19	46.24
1888	34,030 34	11,215 01	32.95
1889	57,310 84	13,305 15	23.22

MISCELLANEOUS REPORTS.

Months.	Accidentally killed.	Accidents to persons.	Attempted suicides.	Suicides.	Dead bodies found.	Sudden deaths.	Doors found open.	Dead animals reported.	Fires reported.	Gas Lamps reported not burning.	Vapor Lamps reported not burning.	Persons reported missing.	Runaways reported.	Number of Lodgers at the Central Station.
January	3	23	2	2	1	4	70	218	47	701	2,070	5	7	1,085
February	7	30	1	2	1	4	68	177	44	248	1,059	3	5	846
March	8	26	1	2	4	4	68	278	57	153	812	5	5	1,350
April	2	35	3	7	5	7	57	206	43	38	569	8	11	1,465
May	6	37	.....	6	1	2	75	280	38	40	731	19	4	200
June	.....	47	6	5	5	3	46	267	41	4	338	28	8	[illegible]
July	2	42	4	.....	5	2	55	367	70	3	330	18	5	
August	6	35	.....	3	3	3	69	282	49	13	363	12	9	.....
September	6	35	1	3	6	3	74	267	43	102	708	25	8	.....
October	4	46	3	2	.....	4	92	213	52	114	1,340	11	5	18
November	9	29	2	2	2	6	75	182	48	183	1,354	13	6	64
December	5	25	.....	.....	1	4	83	207	46	479	3,066	5	4	1,31
Total	58	410	23	34	34	46	832	2,944	578	2,078	12,740	152	77	7,09

POPULATION OF THE CITY.

Census January 1, 1880	158,207
Census January 1, 1881	166,413
Census January 1, 1882	185,851
Census January 1, 1883	194,684
Census January 1, 1884	200,426
Census January 1, 1885	205,446
Census January 1, 1886	214,013
Census January 1, 1888	230,000
January 1, 1889—Estimated	250,000
" 1, 1890 "	275,000

Report of Infirmary Department.

INFIRMARY DEPARTMENT.

1889.

DIRECTORS.

WM. J. McKINNIE, President.

BOLIVAR BUTTS,

EDWARD MOLONY,

GUSTAVE TIELKE,

JOSEPH V. CHAPEK.

CLERK OF THE BOARD.

L. S. O'NEIL.

SUPERINTENDENT.

L. F. MELLEN.

To the Honorable Mayor and City Council of the City of Cleveland:

GENTLEMEN:—Herewith find the Annual Report of the Superintendent of the Infirmary Department for the year ending December 31, 1889.

Respectfully submitted,

BY ORDER OF THE BOARD OF INFIRMARY DIRECTORS.

ANNUAL REPORT

OF THE

Superintendent of the Infirmary Department.

How to prevent pauperism and discourage a class of people who from indolence, bad habits and shiftlessness depend upon the public for a living, and at the same time give the proper and necessary aid to those who are really needy and dependent, is one of the great problems of the age.

Cleveland has a good reputation for its charitable work, and the Infirmary Department, with the associated charities of the city, are able and willing to relieve all who cannot care for themselves, and we have reason to believe the work is faithfully done—and done at a less cost to the city than in former years, when the population was much less. This has been accomplished by a careful discrimination as to the actual need of the applicants, and their ability to provide for themselves. It has also partially prevented the annoyance of the systematic begging from house to house. This can be reduced still more, if it were better understood that as a principle every applicant able to work and earn something will be investigated as to their real need, and work furnished them. And, if men who have employment were encouraged to save some of their earnings to use when they have no work, the demands upon the city in the Winter would be still less.

But a greater evil, and one which causes a large amount of sufferin and poverty to families, is *desertion.* Our records of "Out-Door Relief show three hundred and eighty-five "grass widows" that have bee aided during the past year. Men desert their families without th slightest cause, sometimes under the most distressing circumstances some of them go away in the Fall and return in the Spring, knowin that the city will take care of their families during the Winter month The statutes of Ohio should require a husband to support his wife, an make "desertion" a criminal offense. If such a law were enforced, would remedy the evil to some extent.

INFIRMARY DEPARTMENT FUND.

RECEIPTS.

Cash on hand January 1, 1889	$ 3,925 6
Received from the Dow Law Tax	69,731 5
Received from County, for care and expense of non-residents	14,254 8
Received at Infirmary Office and paid into City Treasury	5,549 8
Received by amount transferred to Credit Fund from Thos. Axworthy's account	7,877 2
Warrants credited back	5 8
Total	$ 101,345 0

DISBURSEMENTS.

Ordinary Expenses, City Infirmary and Hospital		$ 45,837 5
Ordinary Expenses, Out-Door Relief		28,697 2
Permanent Improvements, expended in New Hospital		23,062 4
Furnishing New Hospital		4,959 0
Total		$ 102,556 2
Total Receipts		$ 101,345 0
Total Disbursements	$102,556 26	
Unissued Claims	2,383 81	
		$ 100,172 4
Balance to credit of Infirmary Fund in hands of Treasurer		$ 1,172 5

The foregoing financial statement shows but a small balance to the credit of the Infirmary Department, which would be still further reduced if the warrants due had all been collected. The bills for the month of December have not been audited, which amount to $9,030.42, and are not included in the statement of expenses. The resources for the coming year are the half yearly taxes for 1889, in the hands of the County Treasurer, and the receipts of the first half of the year 1890. Inasmuch as there will be an increase in the expenses of the Hospital Department of the Infirmary, in maintaining the New City Hospital, there should be a tax levy for 1890, to be received in 1891, of not less than $20,000—this amount to be added to the receipts from the Dow Law Fund, on the supposition that the amount received will not be less than it was last year.

OUT-DOOR RELIEF.

The year 1889 shows quite a falling off in the number of families and persons aided with "Out-Door Relief," although the amount of coal and provisions distributed is not much less. The city has had a year of business prosperity which has afforded opportunities for men to work, who have heretofore been aided, especially in the Winter.

The records of the Out-Door Relief show fifteen hundred and forty-three different families supplied with groceries and coal in 1889, as against seventeen hundred and one families in 1888.

Most of these families or persons were aided through the year, some through the Winter months only. They were as follows:

	1888.	1889.
Married	619	528
Widows	615	568
Grass Widows (or deserted wives)	370	385
Widowers	41	28
Grass Widowers	3	3
Single	53	31
Total	1,701	1,543

Statement showing total issues of groceries for Out-Door Relief for 1888 and 1889.

	1888.		1889.	
Flour	174,195	Lbs.	186,930	Lbs.
Corn Meal	3,339	"	2,305	"
Beans	4,837	"	7,502	"
Tea	4,829	"	5,418½	"
Coffee	5,256½	"	5,790	"
Rice	6,013	"	5,979	"
Oat Meal	6,521	"	5,503	"
Sugar	19,097	"	22,526	"
Peas	1,740	"	1,934	"
Soap	7,119	"	7,201	"
Barley	2,085	"	1,448	"

In addition to the distribution of groceries at the Out-Door Relief office, the following orders were given:

	1888.	1889.
Coal delivered, tons	2,972	2,777
Railroad Passes	572	680
Meat Orders, (for the sick)	30	22
Shoe Orders, pairs	70	45
Burial and Grave Orders	198	182
Coffins Furnished Extra	70	95
Work Orders—to the Infirmary	1,724	1,446
Investigations of Families	2,952	1,749

A record is kept of those receiving Out-Door Relief, showing the number in each Ward, as follows:

Ward.	1888.	1889.
1	248	228
2	37	37
3	28	20
4	69	58
5	111	102
6	14	14
7	28	24

Ward.	1888.	1889.
8	36	30
9	57	44
10	14	8
11	7	6
12	11	12
13	28	22
14	14	10
15	9	10
16	98	66
17	57	58
18	12	9
19	9	8
20	19	17
21	14	12
22	18	18
23	16	11
24	96	80
25	19	36
26	37	28
27	20	14
28	143	150
29	76	80
30	22	16
31	8	7
32	21	20
33	17	16
34	95	88
35	16	11
36	47	39
37	65	62
38	34	30
39	28	26
40	23	16
Total in 40 Wards	1,701	1,543

The following shows the nativity of the heads of families receiving Out-Door Relief:

	1888.	1889.
United States	336	328
Ireland	557	480
Germany	384	277
Bohemia	142	151
England	96	95
Canada	46	40
Hungary	32	41
Poland	23	37
Scotland	16	12
Switzerland	9	8
Holland	4	4
Wales	9	7
Prussia	1	1
Austria	12	14
Russia	6	7
France	4	3
Sweden	5	5
Australia	1	1
Denmark	1	1
Italy	15	20
Norway	1	0
Spain	0	0
Turkey	1	1
Total	1,701	1,543

THE CITY INFIRMARY.

STEWARD'S REPORT.

	Males.	Females.	Total.
Number remaining December 31, 1888 . .	307	216	523
" admitted during the year	344	173	517
" births during the year	17	9	26
Total	668	398	1,066

	Males.	Females.	Total.
Number discharged during the year	284	168	452
" died " " " . . .	91	41	132
" remaining December 31, 1889 . .	293	189	482
Total	668	398	1,066

Daily average for the year, $491\frac{52}{365}$.

Daily average for the year, Male, Insane Department, . .	127.272
" " " " " Female, Insane Department, .	112.160
" " " " " Male, Hospital Department, .	60.112
" " " " " Female, Hospital Department,	41.193
" " " " " Male, Middle Department, . .	107.209
" " " " " Female, Middle Department, .	43.106
	$491\frac{52}{365}$

Total average for each Department, $491\frac{52}{365}$.

TABLE SHOWING AGE AND CAUSE OF INMATES.

AGE.	On hand at beginning of Year.	Received, etc., during Year.	Discharged, etc., during Year.	Remaining at end of Year.
Number under five years old	1	31	27	5
Number between five and sixteen years old	2	0	2	0
Number between sixteen and sixty	325	132	158	299
Number over sixty	198	153	170	178
Total	523	316	357	482

12 inmates are over 80 years of age.

CAUSES OF PAUPERISM.

	On hand at beginning of Year.	Received, etc., during Year.	Discharged, etc., during Year.	Remaining at end of Year.
Number of insane inmates	250	43	84	209
Number of epileptic inmates	15	0	0	15
Number of idiotic inmates	8	0	0	8
Number disabled by old age	137	36	43	130
Number disabled by disease	99	148	149	98
No. disabled by loss of member or members	5	0	0	5
Number disabled by deformity	0	0	0	0
Number disabled by blindness	9	1	1	9
Number of lying-in cases during the year	0	31	23	8
Total	523	261	302	482

HOSPITAL DEPARTMENT.

	Males.	Females.	Total.
Number remaining December 31, 1888 . . .	67	48	115
" admitted during the year	255	182	437
Total	322	230	552

	Males.	Females.	Total.
Number discharged during the year . . .	191	152	343
" died " " "	75	31	106
" remaining December 31, 1889 . . .	56	47	103
Total	322	230	552

Daily average for the Males	60.112
" " " " Females	41.193
Total	$101\frac{305}{365}$

INSANE DEPARTMENT.

	Males.	Females.	Total.
Number remaining December 31, 1888 . . .	134	123	257
" admitted during the year	57	30	87
Total	191	153	344

	Males.	Females.	Total.
Number discharged pronounced "cured" . .	27	14	41
" transferred to other Asylums . . .	27	28	55
" died	16	11	27
" remaining December 31, 1889 . . .	121	100	221
Total	191	153	344

Daily average for the year, Males	127.272
" " " " " Females	112.160
	239.432
Total daily average.	$240\frac{67}{365}$

The Steward adds: A great many people seem to be impressed with the fact that all insane patients received at the Infirmary are incurable, and the supposition is that if they do not die in reality, they are at least dead to the world. Such is not the case, as a glance at the foregoing report will plainly show that the percentage of permanent cures effected are on an equal, if not a better basis, than any Insane Asylum in the country.

THE CITY HOSPITAL.

The new Hospital building, which has been more than two years under construction, was completed last October, and the sick and disabled removed into it from the Hospital Department of the Infirmary. The building is located on the Infirmary grounds, built of brick with stone trimmings, having a frontage of 289 feet, with two wings running back 128 feet each. The original contract for the building was $61,291.68, and but few changes have been made from the original plans. The cost in addition was for steam heating and ventilating $18,725.00, Water Motor and Elevators, $900.00, Architect's plan and superintendence, $4,000, Furnishing, $5,000, together with excavation, grading, paving, iron fence, fire escapes, &c., will make the total cost about $91,500.

The plan of the building, with its arrangement of rooms and apartments, make it one of the most complete, commodious and convenient hospitals in the country. The building is arranged so as to accommodate one hundred and seventy-five to two hundred patients, being divided into twenty-four rooms, with one bed in each, and sixteen wards, with from six to fourteen beds each; in addition to these are rooms for nurses and attendants, house Physicians, operating amphitheatre, drug room, Physicians' offices, reception rooms, two dining rooms on each floor for convalescent patients, with a general dining room, kitchen, &c. All the patients' rooms are well furnished, having iron bedsteads, brass mounted, hair mattresses, feather pillows and other suitable bed clothing. The new system of ventilation, by which revolving fans are constantly forcing in a supply of fresh air into the wards and rooms, while a large fan in the cupola draws the foul air

through connected pipes under each bed, is highly commended, and is one of the most valued features of the institution. The management of the Hospital is the same as the Hospital Department of the Infirmary, having much better facilities, with every effort to make it a model Hospital.

PHYSICIANS' REPORT.

HOSPITAL DEPARTMENT.

	Males.	Females.	Total.
Number remaining December 31, 1888	67	42	109
" admitted during year	255	122	377
" born " "	15	14	29
Total	337	178	515
Discharged during year	191	115	306
Died " "	75	31	106
Total dismissed	266	146	412
Remaining December 31, 1889	56	47	103

Office cases treated per week, 80.

The deaths which occurred during the year were from the following causes:

	Males.	Females.	Total.
Aneurism	1	..	1
Apoplexy	4	..	4
Asthenia	9	3	15
Asthma	2	..	2
Cancer	1	1	2
Caries	..	1	1
Chronic Diarrhœa	..	2	2
Cirrhasis of Liver	1	1	2
Compression of Spinal Cord	1	..	1
Concussion of Brain	1	..	1
Convulsions	..	1	1

	Males.	Females.	Tota
Cystitis	1	..	
Empyema	2	..	
Enteritis	1	..	
Erysipelas	2	..	
Haemoptysis	1	..	
Heart Disease	7	1	
Hernia	2	..	
Inanition	1	1	
Morbus coxae	1	..	
Marasmus	1	1	
Measles	..	1	
Nephritis	3	1	
Paralysis	2	1	
Peritonitis	..	1	
Phthisis (Consumption)	22	7	2
Pneumonia	6	..	
Septicaemia	..	3	
Suicide	2	..	
Typhoid Fever	1	2	
Uraemia	..	1	
Spinal disease	..	1	
Total	76	30	10
Died in Insane Department in 1889	16	11	2

CAUSES OF DEATH.

	Males.	Females.	Total
Alcoholism	1	..	1
Consumption	1	..	1
Gangrene (Senile)	1	..	1
Heart Disease	1	..	1
Inanition	4	..	4
Old Age	1	2	3
Mania, Acute	1	2	3

	Males.	Females.	Total.
Mania, Chronic	2	5	7
Paralysis	2	1	3
Pneumonia	..	1	1
Syphilis	2	..	2
Total	16	11	27

RECORD OF WORK DONE AT THE INFIRMARY.

SEWING DEPARTMENT.

Articles Made.	Number.
New Coats	46
New Vests	53
Pairs Pants	462
White and Colored Shirts	745
Over Shirts	150
Pairs Overalls	92
Women's Waists	17
" Chemises	783
Pairs Women's Stockings	24
Baby Dresses	40
Women's Dresses	291
" Aprons	127
" Drawers	96
" Night Dresses	260
" Skirts	300
Sheets	800
Pillow Slips	876
" Ticks	508
Towels	350
Straight Jackets	10
Barber Caps	10
Pairs of Suspenders	300
Floor Mats	25
Bed Comforts	100

TIN SHOP.

New Articles Made.	Number.
Fifty Gallon Tea and Coffee Boilers	3
Dozen One Quart Dippers	2
" One Pint "	1
" Six Quart Pans	2
Four Gal. Milk Pails	3
Dozen Four Gal. Soup Pails	1
" Three Gal. Tea and Coffee Cans	1
" Two Quart Dippers	1
" Dish Pans	1
Ten Gal. Hot Water Boiler	1
Two Quart Coffee Pots	3
" " Tea "	3
Three " " "	3
" " Coffee "	3
Dozen Wash Basins	2
" Large Sprinkling Cans	1
" Pint Pails	1
" Three Quart Pails	1
Three Quart Pails	4
Dozen Three Gal. Milk Strainer Pails	7
Dish Pans	6
Large Vegetable Boiler	1
Pint Tin Cups	100
Fifteen Gal. Boiler	1
" " " for Steamer	1
Fifty Gal. Oil Cans	2
Large Pudding Pans	6
One Gal. Sprinkling Cans	2
Dozen Dust Pans	2
" Pint Oil Cans	1
" Milk Pans	1
" Large and Small Dippers	1
Fifty Gal. Tea and Coffee Boilers	2

New Articles Made.	Number.
Dozen One Gal. Oil Cans	2
" Two Gal. Sprinkling Cans	1
Large Oil Strainers	2

CARPENTER SHOP.

New Articles Made.	Number.
Benches	33
Boxes, various sizes	37
Step Ladders	17
Commodes	8
Wash Stands	6
Writing Desk	1
Tables	8
Spittoons	16
Wardrobes	8
Foot Stools	16
Pairs Crutches	6
Neck Yokes	3
Lap Boards	6
Wagon Boxes	2
Coffins, (small)	77
Coffins, (large)	3
Stretchers	4
Night Buckets	500
Wooden Pails	600
Wash Tubs	10

THE BAKERY.

	1888.	1889.
Total number of large loaves of Wheat Bread baked	68,123	68,393

The number of loaves for each month is as follows:

	1888.	1889.
January	6,629	7,029
February	6,192	6,405

	1888.	1889.
March	6,057	6,48
April	5,106	5,97
May	5,637	6,02
June	5,149	5,41
July	5,128	5,08
August	4,116	5,11
September	5,147	4,82
October	5,806	5,43
November	5,866	5,23
December	6,290	5,37
Total	68,123	68,39

	1888.	1889.
Biscuits, dozens	2,543	2,66

Beside Pies, Gingerbread, Cake, &c., of which no record is made and which are furnished to inmates twice per week.

FARM REPORT FOR 1889.

CROPS RAISED AND THEIR VALUE.

977	Bushels of large Potatoes	@ 45 c.	$ 439 6
115	" Small "	@ 25 c.	28 7
483	" White Turnips	@ 20 c.	96 6
248	" Rutabagas	@ 40 c.	99 2
272	" Mangel Wurtzel	@ 35 c.	95 2
575	" Carrots	@ 50 c.	287 5
62	" Beets	@ 60 c.	37 2
43	" Parsnips	@ 60 c.	25 8
1,033	" Sound Corn	@ 38 c.	392 5
250	" Small "	@ 15 c.	37 5
535	" Oats	@ 30 c.	160 5
33	Tons of Hay	@ $ 13	429 0
17	" Straw	@ $ 8	136 0
2,163	Bundles of Corn Stalks	@ 4 c.	86 5

7,246 Gallons of Milk	@ 16 c.	1,159 36
57 Bushels of Tomatoes	@ 45 c.	25 65
Sweet Corn		63 00
18 Loads of Pumpkins	@ $ 2	36 00
2,540 Heads of Cabbage	@ 6 c.	152 40
300 Bushels of Apples	@ 60 c.	180 00
118 " Onions	@ 35 c.	41 30
Cucumber Pickles		37 00
Green Peas and Beans		63 00
Total for 1889,		$4,109 67
Total for 1888,		$4,108 49

FARM STOCK ON HAND.

8 Horses	@ $140 00	$1,120 00
10 Cows	@ 45 00	450 00
62 Small Pigs	@ 2 50	155 00
13 Breeding Sows	@ 9 00	117 00
1 Boar Pig		10 00
1 Two Year old Heifer		30 00
Total value		$1,882 00

FARM STOCK SOLD DURING THE YEAR.

88 Pigs	$349 25
7 Cows	125 00
9 Calves	25 00
Total value	$499 25

STOCK BOUGHT DURING THE YEAR.

6 New Milch Cows, value	$295 00

INVENTORY OF PROPERTY.

	1888.	1889.
Estimated value of land, 85 acres, @ $500 per acre,	$ 42,500 00	$ 42,500 00
Estimated value of buildings	295,028 68	315,000 00
Estimated value of furniture and fixtures,	13,358 27	15,476 00
Estimated value of machinery and tools,	8,550 00	9,550 00
Estimated value of live stock	2,028 00	1,882 00
Estimated value of other property . . .	2,500 00	2,500 00
City office and furniture	3,000 00	3,000 00
Total amount of inventory	$366,964 95	$389,908 00

Report of Board of Improvements.

ANNUAL REPORT

OF THE

BOARD OF IMPROVEMENTS.

To the Honorable City Council:

GENTLEMEN:—The Board of Improvements herewith submits its annual report for the year ending December 31, 1889.

This report embraces accounts of all work and expenditures under the immediate control of the Board of Improvements, and not falling within the special jurisdiction of the City Civil Engineer or Street Commissioner, who each submit separate reports for their respective departments, showing, in detail, the amount and extent of all contract work done under the Supervision of the Board.

The expenditures authorized by the Board, not included in the reports of the City Civil Engineer and Street Commissioner, are herewith appended.

BRIDGES.

SUPERIOR STREET VIADUCT.

Pay roll	$ 7,009 95	
Supplies for repairs	328 96	
Ordinary supplies	94 29	
		$ 7,433 20

CENTRAL VIADUCT.

Pay roll	$ 8,172 58	
Supplies for repairs	2,978 26	
Ordinary supplies	116 15	
Lumber furnished	1,043 62	
		$ 12,310 61

MAIN STREET.

Pay roll	$ 5,045 21	
Supplies for repairs	6 88	
Ordinary supplies	47 64	
		$ 5,099 73

SENECA STREET.

Pay roll	$ 3,445 09	
Supplies for repairs	439 44	
Ordinary supplies	29 19	
		$ 3,913 72

WILLOW STREET.

Pay roll	$ 4,287 00	
Supplies for repairs	1 59	
Ordinary supplies	6 50	
		$ 4,295 09

CENTER STREET.

Pay roll	$ 4,985 27	
Supplies for repairs	24 26	
Ordinary supplies	3 74	
		$ 5,013 27

COLUMBUS STREET.

Pay roll	$ 2,495 00	
Supplies for repairs	47 75	
Ordinary supplies	6 50	
		$ 2,549 25

LOWER CENTRAL WAY.

Pay roll	$ 2,837 75	
Supplies for repairs	8 04	
Ordinary supplies	8 44	
		$ 2,854 23

UPPER CENTRAL WAY.

Pay roll	$ 2,831 00	
Supplies for repairs	17 20	
Ordinary supplies	3 25	
		$ 2,851 45

JEFFERSON STREET.

Pay roll	$ 1,748 50	
Supplies for repairs	82	
Ordinary supplies	3 25	
		$ 1,752 57

WALWORTH RUN.

Pay roll	$ 1,276 50	
Ordinary supplies	3 25	
Supplies for repairs	5 75	
		$ 1,285 50

SWISS STREET.

Pay roll	$ 425 25	
Ordinary supplies	216 75	
		$ 642 00

KINGSBURY VIADUCT.

Pay roll	$ 1,206 44	
Supplies for repairs	602 03	
Ordinary supplies	6 50	
		$ 1,814 97

PETRIE STREET.

Pay roll	$ 604 84	
Ordinary supplies	3 25	
		$ 608 09

ABBEY STREET.

Pay roll	$ 50 00	
		$ 50 00

EAGLE STREET.

Pay roll	$ 380 00	
		$ 380 00

GENERAL BRIDGE ACCOUNT.

General pay roll	$ 46,800 38	
Repairs pay roll	4,910 42	
Supplies for repairs	4,460 98	
Ordinary supplies	1,592 26	
" "	125 30	
General repairs and supplies	2,473 31	
Use of lighter for pontoon at Senaca street bridge	35 00	
Use of lighter for pontoon at Willow street bridge	905 00	
Total		$ 61,402 65

POUNDS.

EIGHTEENTH AND NINETEENTH WARDS.

Pay roll	$ 223 50	
Supplies	40	
		$ 223 90

TWENTY-SECOND AND TWENTY-THIRD WARDS.

Pay roll	$ 223 50	
Supplies	50	
		$ 224 00

TWENTY-SIXTH AND TWENTY-SEVENTH WARDS.

Pay roll	$ 93 00	
Supplies	50	
		$ 93 50

Land leased for pound purposes in Twenty-sixth and Twenty-seventh Wards	$ 25 00	
		$ 25 00
Total expense of pounds		$ 566 40

GENERAL EXPENSES.

CITY HALL.

Repairs and supplies to engine room and other departments	$ 781 05	
Coal and kindling	1,326 32	
Elevator and heating apparatus	571 36	
Repairs on offices	473 00	
Repairs on building	271 36	
General account, supplies and repairs for offices of City Civil Engineer, including salaries of clerks and inspectors employed in the Engineer Department	$ 2,579 50	
Total		$ 6,002 59

LIGHTING ACCOUNT.

Brush Electric Light Company	$ 20,336 44	
Vapor lamps, lighting and care	47,565 89	
Gas furnished, new lamps, repairs, etc.	92,375 21	
New lamp posts and street lamps	3,404 55	
Glass, lanterns, sockets, supports, etc.	4,146 91	
Total		$167,829 00

SUPERINTENDENTS OF IMPROVEMENTS.

Sewers and culverts	$ 4,704 66	
Dredging	1,804 85	
Curbing, grading and cindering	938 76	
Paving and repaving	1,146 25	
Sewer and River Commission	2,823 93	
Bridge construction	2,041 17	
Total		$ 13,459 62
Inspectors, sewer and water connections		$ 728 75

OTHER EMPLOYES.

Mayor's clerk and clerks of Board of Improvements	$ 4,399 93	
Assistant sidewalk Inspector	288 00	
Elevator operator	690 00	
" " assistant	26 00	
Engineer of heating apparatus	1,120 00	
Firemen " " "	1,320 00	
Examiner of Engineers	1,500 00	
Building Inspector	2,500 00	
" " 1st Assistant	1,500 00	
" " 2nd Assistant	900 00	
Total		$ 14,243 9

MAYOR'S AND BOARD OF IMPROVEMENTS OFFICES.

Stationery, printing, lithographing and rubber stamps	$ 202 33	
Supplies for offices	878 11	
Furniture for Mayor's office	285 00	
" " Board rooms	206 65	
Total		$ 1,572 0

CUYAHOGA RIVER.

Towing snags and clearing river	$ 220 00	
Sounding	27 13	
Use of tugs, boats and supplies for sewer and river commission	24 25	
760 feet of piling at Columbus street bridge	235 00	
50 floats for use in dredging river	1 00	
Total		$ 507 3

ARMORY ACCOUNT.

Ordinary expenses, including repairs on heating apparatus and building	$ 433 42	
		$ 433 4

MARKET ACCOUNT.

CENTRAL MARKET.

Cleaning, repairs, &c.	$ 622 25	
		$ 622 2

WEST SIDE MARKET.

Cleaning, repairs, &c.	$ 386 00	
		$ 386 00

NEWBURGH MARKET.

Cleaning, repairs, &c.	$ 94 63	
		$ 94 63
General market account	$ 393 75	
		$ 339 75
Total market account		$ 1,496 63

HAY SCALES, CENTRAL MARKET.

Supplies and repairs	$ 8 50	
Labor on and material for scales	2 75	
Total		$ 11 25

TAYLOR STREET FERRY.

Pay roll	$ 600 00	
Supplies	18 13	
Total		$ 618 13

MISCELLANEOUS ACCOUNT.

River and sewer commission supplies	$ 38 70
Dredging supplies	5 50
Street signs	88 15
Rent of telephones	137 50
Daniel Manges, to difference in pay in December, 1883, as Engineer Central Viaduct	3 33
Patrick Connors, to difference in pay in December, 1888, as tender on Central Viaduct	3 87
Annual Reports to Philadelphia	55
S. Rude, one dozen police whistles for bridges	4 00
Joe Seiferling & Son, work performed on Marquette street sewer	40 00
D. A. O'Neill, money advanced	75

B. D. Babcock, money advanced	$ 8 70
B. D. Babcock, balance of salary as Mayor, 1889	150 00
Reader stone quarry, stone furnished	11 29
Flag poles	13 70
W. P. Rice, cash advanced	110 00
Cleveland Automatic Refrigerating Co., freezing brick, Bolton avenue paving	2 00
Willard, Filley & Co., signs, Central Viaduct	6 00
Willard, Filley & Co., signs, Abbey street	6 50
Warren Farr, gravel delivered	5 50
Cleveland Printing & Publishing Co., Annual Reports	88 50
Jno. W. Markham, Ass't Harbor Master in April at $2.50 per day	52 50
C. F. Mehling & Co., rubbing fire brick for Bolton avenue paving	8 75
T. H. Ogden, cash advanced	1 45
Cleveland Foundry, testing brick, Bolton avenue paving	1 50
Lawrence, Miller & Brightman, blades furnished for road machine	32 00
W. L. Nutt, repairing sewer number 859, Willson avenue	33 10
Geo. W. Jones, selling houses for opening and extending Trumbull street, total amount of sale	1,031 10
Commission, 2%	20 60
Amount realized	1,010 50
J. H. Fleharty & Co., bridge badges	7 50
H. H. Nelson, cash advanced	2 59
Cuyahoga Galvanized Iron Cornice Works, repairs	25
Beavis & McKay, repairs to drinking fountains	5 00
J. G. Bruggeman, 62½ feet of breakwater constructed at outlet of Marquette street sewer (authorized per Council resolution September 7, 1888)	500 00
J. G. Bruggeman, 17½ feet of breakwater	140 00
J. G. Bruggeman, 32 " " "	160 00
Awnings, &c., Mayor's and Board of Improvements offices	31 50
Wm. Downie, cleaning and kalsomining ceiling and walls of School of Art rooms, City Hall	100 00
W. T. Jones, four days' services as Smoke Inspector in June, 1889, after expiration of term of office	16 66
Geo. W. Gardner, cash advanced	1 80
W. V. Craw, " "	1 91
S. J. Baker, " "	5 40
Daykin Bros., repairing cellar bottom at No. 350 Taylor street	14 75

Daykin Bros., repairing drinking fountains	$ 34 30
H. F. Cady, 18½ cords rip-rap, Columbus street bridge	78 50
A. A. Dittrick, removing 11½ yards of night soil for Ship Owner's Dry Dock Company	25 88
W. H. Dunn, cash advanced	15 00
Two American Flags for City Hall and Public Square	61 00
W. J. O'Neil, for labor, jobbing, &c., at City Hall	25 63
John Sohl, cash advanced	3 80
A. L. Bacher, for repairing drinking fountain	10 20
D. Zengler, removing trees and stumps on Independence street	10 00
Ship Owner's Dry Dock Company, for dockage and repairs of Willow Street Bridge scow	194 80
Sherborn & Noonan, coach hire	4 00
A. A. Dittrick, removing night soil from market ground, corner St. Clair and Oliver streets	21 83
American Express Co., express charges on Annual Reports	9 61
Union Carriage and Toy Co., 27 dozen flags for decorating City Hall	33 75
E. A. McCormack, cash advanced	25
Sherborn & Noonan, team and chariot	6 00
N. Y., L. E. & W. R. R. Co., for switching	10 00
H. W. Stohleman, horse and buggy hire	15 00
Brooklyn Street Railway Co., tickets for the Building Inspector	10 00
Mrs. Mary Kelley, No. 1, cash advanced	1 25
H. H. Nelson, cash advanced	99
N. Y., L. E. & W. R. R. Co., switching	30 00
Otis Iron & Steel Co., testing iron and steel for Willow Street Bridge	1 50
Plain Dealer delivery	1 80
E. H. Bowne, Treas., to witness fees for Probate Court, advanced	49 50
Martin Gahan, for use of lamps and labor on Willow street bridge	5 00
John Ingram, Marquette street sewer outlet protection	113 87
Independent Line of Tugs, for taking Engineers to river bed	5 00
N. Y., L. E. & W. R. R. Co., for switching	32 50
L. P. & J. A. Smith, for use of lighter	95 00
Stang & Kerr, for excavation between Government Piers	879 12
W. T. Lindsay & Co., for 32 8-10 perches of masonry, being the City's portion of retaining wall on west side of Seneca street, at north side of Seneca street bridge, including 15 feet of fence at same place	85 00
C. C. Lyman, one 6-ton wagon scale, timber included, rear of City Hall	135 00

Cleaning east end of Superior street Viaduct	$ 13 00	
Cleveland Iron Co., to part cost of widening the river at south side of C., C., C. & St. L. R. R. crossing, as per adopted resolution of City Council, October 21st, 1889	500 00	
Cleveland Electric Manufacturing Co., for one box of 10 inch dials for Watchman's Time Detector	4 00	
C. A. McNairy, cash advanced	6 55	
Henry W. S. Wood, extending catch basin pipe, taking up springs on Guernsey street	88 80	
Delivery of *Daily Leader and Herald*	1 00	
John McDonough, for use of boats at Willow street bridge	31 00	
E. A. McCormack, 6 days in August, 1889, assistant clerk Board of Improvements	13 50	
Charles Griffin, 6 days in August, 1889, scrubbing stairs and hallway, City Hall	10 50	
Total		$ 5,525 13

SUMMARY.

Bridges	$ 61,402 65	
Pounds	566 40	
General expense, City Hall	6,002 59	
Lighting account	167,829 00	
Superintendents of Improvements	13,459 62	
Inspectors sewer and water connections	728 75	
Other Employes	14,243 93	
Mayor's and Board offices	1,572 09	
Cuyahoga River	507 38	
Armory Account	433 42	
Market Account	1,496 63	
Hay Scales, Central Market	11 25	
Taylor Street Ferry	618 13	
Miscellaneous Account	5,525 13	
Grand Total		$274,396 97

All of which is respectfully submitted.

By order of the Board of Improvements,

C. A. McNAIRY,

Secretary.

January 23, 1890.

Report of the Street Commissioner.

Report of the Street Commissioner.

o the Honorable Board of Improvements :

GENTLEMEN :—In compliance with the rules and regulations, I rewith submit to your Honorable Body the Annual Report of the reet Department for the year ending December 31, 1889.

The accompanying tables will show the different kinds of work, o the cost of the same, on the various streets of the city, comprising ving repairs, laying and relaying cross-walks, carpenter labor on x gutters, cross-walk drains, etc. Repairs and cleaning of sewers d catch basins, also material such as lumber, hardware, brick and nent accounts, machine repairs and blacksmithing, and the salaries the officers.

There have been 1,259 Police and other reports received, which t with prompt attention. Also 564 notices served on parties to nply with sections 907, 96 and 889 city ordinances. There have en 161 new cross-walks laid, containing 12,297 feet new stone, and 5 cross-walks relaid and repaired, containing 8,574 feet old stone.

According to the Auditor's statement, the expenditures of the eet Department for the fiscal year of 1889 were $128,407.10, from ich is to be deducted $1,688.05, being the difference in bills of cember, 1888, and December, 1889, leaving the expense for the year 26,719.05 ; of this amount, $652.09 was expended by sources other an Street Commissioner, which leaves $126,066.96 ; from this is to deducted the sum of $17,668.57, which was collected for street ving repairs, puddling permits and cleaning off market grounds, ich leaves net expenses of this department $108,398.39.

You will observe by this report that the expenses are in excess of

those in previous years, owing to the fact that the work done January, February, March, and up to April 15, 1889, by my pred cessor, amounted to $38,500.00, being at the rate of $11,000.00 p month. For that time of the year the whole expenses should n have exceeded $20,000.00, and this certainly crippled the fund f the balance of the year. Another great detriment to the Departme were the continuous rains, which caused much unwarranted commen as every possible means were employed to pacify the demands th were showered in upon us. When you take into consideration th there are 750 miles of streets and alleys in this city under the sup vision of the Street Commissioner, you will see that the appropriatio are hardly adequate to keep the streets in condition as I would like have them. I have been as economical as possible in the discharge my duties, and feel grateful for the consideration bestowed upon r by your Honorable Body. I would most respectfully recomme that the opening of dirt and paved streets, for putting in connectio of all kinds, and puddling the same, be placed under the direct sup vision of the Street Commissioner, for the following reasons, vi There have been many cases where curb and street permits we given, the streets were tunneled in place of opening the same, and many cases the streets have sunk down by reason of the above, a accidents happened thereby; whereas, if the permits were given direct to the Street Department, they would receive proper attention and danger or accidents averted; and I would further recommend that paving repairs heretofore done by outside parties be done by t Street Department, as by so doing it would be quite a considerati to that Department Fund in the course of the year, for the reason th when done by outside parties, in many instances the puddling and paving not being properly done, would cause the pavement to s down in a very short time, and the Street Commissioner would obliged to repair the same at the expense of the Street Department.

Following, you will find the different tables.

Respectfully submitted,

J. C. SIEGRIST,

Street Commissioner.

SHOWING THE CHARACTER AND COST OF ALL REPAIRS TO THE STREETS, UNDER STREET COMMISSIONER, DURING THE YEAR.

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Aaron	$	$	$	$	$	$	$ 20 00	$ 20 00
Abbey					6 50	337 25	31 75	375 50
Abram			16 89		6 25		17 75	40 89
Academy	1 69			6 12		8 00		15 81
Ackley							9 00	9 00
Adelbert							125 00	125 00
Ætna			7 00				402 00	409 00
Alabama			2 69		6 25		81 50	90 44
Alfred			7 00					7 00
Allen					28 57		40 25	68 82
Alleys						190 50	740 25	930 75
Alleys bet. Castle and Abram					16 00			16 00
Alleys bet. Burton and Brough					9 37			9 37
Alleys off Burton					11 50			11 50
Alley on Seneca opp. Broom				3 13				3 13
Alley bet. Gallup and Nursery			16 13					16 13
Alleys off Japan and China					26 50			26 50

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Alum	$	$	$	$	$	$	$ 30 50	$ 30 50
Anson							114 00	114 00
Ansel			10 75					10 75
Apple							10 00	10 00
Arch	3 25							3 25
Arlington							60 75	60 75
Arlington Court			9 50				12 00	21 50
Armitage			2 00				70 50	72 50
Armory							20 00	20 00
Arthur							45 50	45 50
Ash			8 06				28 00	36 06
Ashbel					10 13			10 13
Ashland							33 00	33 00
Aspen			8 25				20 00	28 25
Astor	5 38							5 38
Asylum					22 50		37 50	60 00
Atlantic							49 00	49 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Atwater	$	$	$	$	$	$	$ 25 00	$ 25 00
Auburn	10 75		5 37		16 00		52 00	84 12
Aust							3 00	3 00
Avery							35 00	35 00
Axtell			20 49				72 13	92 62
Baden							43 50	43 50
Bailey							91 75	91 75
Baker			19 82				17 00	36 82
Ballou			6 12					6 12
Bank			4 38	234 88		285 72		524 98
Barber			15 31				100 56	115 81
Barkwill			3 50		23 00		40 00	66 50
Bayne							5 00	5 00
Beaver			23 75				12 85	36 60
Becker			9 50					9 50
Beckwith							59 75	59 75
Bedford			6 50					6 50

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Beech	$	$	$	$	$	$	$ 53 50	$ 53 50
Beecher							50 00	50 00
Belden					6 25		113 00	119 25
Bell	3 07						36 00	39 07
Belmont							29 00	29 00
Berg			8 37				4 00	12 37
Bergen					3 00		41 00	44 00
Bertram							52 00	52 00
Beyerle			9 50		36 50		34 00	80 00
Birch	20 00		5 37				75 00	100 37
Bissell							21 00	21 00
Blair							15 75	15 75
Bliss			4 00					4 00
Bolivar				41 69		38 00	68 75	148 44
Bolton			41 07				50 00	91 07
Bond			12 44			85 00	69 75	167 19
Booth			10 75				19 93	30 68

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Box Gutters	$	$	$	$	$	$	$ 217 25	$ 217 25
Bradford			26 87				6 00	32 87
Brainard			3 50			49 00	87 50	140 00
Branch			8 38		37 88		52 25	98 51
Brayton			3 50				33 75	37 25
Brecksville			17 75		24 00		631 13	672 88
Brenton							50 00	50 00
Bridge	5 00		39 49		60 82		193 25	298 56
Brig							10 00	10 00
Brighton			3 94				71 50	75 44
British				7 05		23 00		30 05
Broadway	20 93		28 00	129 99		2,518 09	778 00	3,475 01
Brock			7 19				43 00	50 19
Brock Alley	8 50							8 50
Brough Alley					25 50			25 50
Brooker	5 38							5 38
Brookfield							2 50	2 50

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Brooklyn	$	$	$ 3 50	$	$	$	$ 110 50	$ 114 00
Brough							29 50	29 50
Brown							22 00	22 00
Brownell	2 13			1 56		116 19	37 00	156 88
Brunswick							40 00	40 00
Buckeye							15 00	15 00
Buckley			38 81				43 00	81 81
Buell			9 50				30 00	39 50
Buhrer			4 69		12 50		37 25	54 44
Burke							15 41	15 41
Burt					16 00			16 00
Burton			41 79		85 25		382 00	509 04
Burwell	6 13						26 00	32 13
Bushnell			2 50					2 50
Catch Basins (2992)		3,644 99						3,644 99
Cable							10 00	10 00
Calvert	8 75				12 50		21 00	42 25

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Roundlug and Filling on Unpaved Streets.	Total.
Camden	$	$	$ 5 37	$	$	$	$	$ 5 37
Canal	11 19		31 56	182 68	46 25	169 76	22 00	463 44
Canfield							30 00	30 00
Cannon			7 00				93 06	100 06
Canton			3 75				29 50	33 25
Carr			16 68				74 50	91 18
Carroll			11 50		32 00		34 25	77 75
Carter				52 49		58 00		110 49
Case	3 50		7 68	3 13	25 00	313 80	166 50	519 61
Case Place					1 50			1 50
Castle			6 12				22 00	28 12
Cedar			68 57	9 37	290 75		496 37	865 06
Cemetery	34 50		5 25				43 50	83 25
Center	3 38		3 00	104 25		347 95		458 58
Central Viaduct						207 50		207 50
Central Place						15 39		15 39
Central Way			3 50	854 07		658 72		1,516 29

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Chambers	$	$	$	$	$ 10 12	$	$	$ 10 12
Champa							35 00	35 00
Champlain	8 25		2 68	127 55	5 63	61 41		205 52
Chapel			9 37				20 75	30 12
Charles							24 25	24 25
Chatham			65 69		43 75		54 50	163 94
Cherry	9 20						8 00	17 20
Cheshire	19 25						17 50	36 75
Chester							27 65	27 65
Chestnut	40 75		4 37		11 50		65 00	121 62
China			4 37		23 00		6 00	33 37
Church							23 50	23 50
Claasen							25 00	25 00
Clara							19 00	19 00
Clark	82 00		132 40	32 09	144 62		638 50	1,029 61
Cleve							8 25	8 25
Cliff			16 13				43 00	59 13

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Clifton	$ 7 50	$	$ 1 50	$	$ 12 50	$	$ 49 50	$ 71 00
Clinton	27 00	15 00		2 16			107 50	151 66
Cloud							10 00	10 00
City Hall			33 12					33 12
City Hall Yard							78 75	78 75
City Yard (West Side)			105 38				154 25	259 63
Circle							25 50	25 50
Colfax							44 00	44 00
Colgate			10 76		40 00		33 50	84 26
College			13 43				18 50	31 93
Columbus	1 50		13 26	68 55	38 18	162 13	112 00	395 62
Commercial	6 50			172 61		54 30		233 41
Concord			11 25					11 25
Conrad			21 51				20 00	41 51
Cook							8 00	8 00
Cooper							18 75	18 75
Colgate Alley			2 69					2 69

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Cornell	$	$	$	$	$	$	$ 45 00	$ 45 00
Corwin							60 00	60 00
Cottage							6 91	6 91
Courtland							69 25	69 25
Covington							10 50	10 50
Crawford			20 50		72 00		15 00	107 50
Creighton							9 00	9 00
Crosby							3 00	3 00
Cross	9 74		46 82				51 50	108 06
Cross Walks						1,476 91	1,808 32	3,285 23
Croton							27 00	27 00
Curtiss							43 00	43 00
Centennial							20 62	20 62
Culverts		17 50						17 50
Dana			4 75				90 00	94 75
Danforth					6 25		25 00	31 25
Davis	13 44					214 13		227 57

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Davis Court	$	$	$	$	$	$	$ 35 00	$ 35 00
Dayton							20 00	20 00
Dean Alley			5 37					5 37
Delaware					6 25		27 00	33 25
Dellenbaugh							50 00	50 00
Dercum							15 00	15 00
Detroit	10 50		7 62	49 62		658 00	5 00	730 74
Devine			10 75				13 00	23 75
Dexter Place							3 00	3 00
Diamond Park							15 00	15 00
Dike			5 50					5 50
Davis St. Bridge			59 50				410 00	469 50
Dille							11 00	11 00
Ditton					7 25			7 25
Division				3 00			80 50	83 50
Doan		7 50	19 16		38 25		159 00	223 91
Dodge	3 50				7 12		27 00	37 62

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Dolloff	$	$	$ 6 69	$	$ 31 25	$	$ 144 50	$182 44
Douglass	.....	.....	.....	.....	.....	.....	10 00	10 00
Douse	.....	.....	8 75	.....	.....	.....	38 50	47 25
Douse Alley	.....	.....	14 88	.....	.....	.....	.....	14 88
Duane	.....	.....	.....	.....	.....	.....	20 00	20 00
Dumping	.....	.....	.....	.....	.....	686 63	.....	686 63
Dunham	.....	.....	.....	.....	.....	.....	61 00	61 00
Dare	.....	.....	2 19	.....	.....	.....	54 00	56 19
Davenport	.....	.....	5 69	.....	.....	.....	20 00	25 69
Eagle	12 75	.....	2 50	.....	.....	72 60	.....	87 85
East Clark	.....	.....	7 00	.....	.....	.....	.....	7 00
East Madison	.....	.....	57 12	.....	188 56	.....	321 25	566 93
East Prospect	.....	.....	14 13	.....	15 75	.....	163 75	193 63
Edwards	.....	.....	5 00	.....	46 25	.....	130 25	181 50
Elk	.....	.....	.....	.....	.....	.....	20 00	20 00
Ellsworth	.....	.....	.....	.....	.....	.....	35 50	35 50
Elm	.....	3 75	.....	152 27	.....	198 50	.....	354 52

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Elmo	$	$	$	$	$	$	$ 73 00	$ 73 00
Elmwood			5 38					5 38
Elton							12 00	12 00
Emmet							6 00	6 00
Empress							13 50	13 50
Engel							188 75	188 75
Ensign							48 50	48 50
Erie	14 80		4 75	60 58		651 04		731 17
Erin			8 25				45 00	53 25
Essex							37 50	37 50
Euclid	35 25		7 00	267 31	10 00	2,433 79		2,753 35
Euclid Alley							54 50	54 50
Factory	4 38						88 50	92 88
Fairfield			4 44				64 00	68 44
Fairmount					16 00	127 00		143 00
Fifth			5 25				41 50	46 75
Finn							128 00	128 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Fir	$	$	$ 12 37	$	$	$	$ 13 00	$ 25 37
First	12 25		3 50		13 45		103 50	132 70
Fleet			3 50					3 50
Florence			5 37				36 50	41 87
Flint							24 00	24 00
Floyd							5 00	5 00
Forest	21 75		17 19		8 00		201 50	248 44
Forman					10 13		213 00	223 13
Fort			2 69					2 69
Fountain			3 50					3 50
Fourth	15 50		22 16				82 00	119 66
Fowler			40 25				25 25	65 50
Francis			69 00		18 75		156 00	243 75
Frankfort	14 13			20 25		88 50		122 88
Franklin	20 25		12 25	35 99		721 75	10 00	800 24
Franklin Alley			220 63				20 75	241 38
Franklin Court							15 75	15 75

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Freas	$	$	$	$	$	$	$ 10 00	$ 10 00
Freeman			10 62		6 00		15 00	31 62
French				4 25		81 50		85 75
Front			13 00	119 75	14 00	67 66		214 41
Fullerton							15 92	15 92
Fulton		37 50		6 00	40 00	227 50		311 00
Fulton Alley							26 25	26 25
Garden	35 81	22 50				358 87	464 00	881 18
Gallup							10 00	10 00
Gange			2 38				32 50	34 88
Gaylord			4 38					4 38
Geneva					8 25		12 50	20 75
Genesee							15 00	15 00
German				4 68		74 94		79 62
Giddings			8 37		37 87		279 00	325 24
Glazier			9 50					9 50
Glendale	17 00							17 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Goethe	$	$	$	$	$	$	$ 51 00	$ 51 00
Gordon	66 25		65 06		74 00		127 75	333 06
Grand			8 87		60 25		43 75	112 87
Granger	8 50							8 50
Grant							11 37	11 37
Green			14 00				29 00	43 00
Greenwood		7 50	3 62		3 50		92 00	106 62
Griswold							34 00	34 00
Grove	5 00				1 30		17 38	23 68
Gutters opened						555 49	378 75	934 24
Guthrie			15 93					15 93
Hackman	7 00						22 50	29 50
Haddock			14 06				1 50	15 56
Hague			4 13				10 00	14 13
Haight							24 75	24 75
Hamburgh			3 50				44 00	47 50
Hamilton	17 50		8 80				108 00	134 30

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Hamlet	$	$	$ 4 38	$	$	$	$ 25 00	$ 29 38
Hamm					25 00		109 00	134 00
Hancock			2 69				7 50	10 19
Hanover	20 38		5 38	12 94	15 75		247 75	302 20
Harbor			23 57		16 00		49 25	88 82
Harlem							31 50	31 50
Harmon			4 87				49 75	54 62
Harper	10 75						21 25	32 00
Hartford			4 38				46 00	50 38
Harvard			34 13		72 00		348 25	454 38
Hawthorne							35 00	35 00
Hayward					12 50	91 00	17 25	120 75
Hay Market						228 75		228 75
Hauling Stone							199 75	199 75
Hauling Monuments							9 75	9 75
Hauling Telephone Posts							32 50	32 50
Hazard	4 13						11 50	15 63

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Hazen	$	$	$	$	$ 6 75	$	$ 16 75	$ 23 50
Heisley					10 13			10 13
Hemlock			4 13					4 13
Henry							20 75	20 75
Herald			30 00		49 13		282 00	361 13
Hermann			18 38				10 00	28 38
Herschell			12 20				59 50	71 70
Hickory	6 37							6 37
Hickox	7 00		1 50	12 00				20 50
Hicks			13 44				20 50	33 94
Higgins			2 69		27 50		6 50	36 69
High							38 37	38 37
Hill				4 19		12 50	2 12	18 81
Hilburn							15 50	15 50
Hillman							40 00	40 00
Hinde					6 25		11 00	17 25
Hitchcock			13 45				34 50	47 95

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Hoadley	$ 15 00	$	$	$	$ 6 25	$	$ 91 50	$112 75
Hollister							29 00	29 00
Holmden	16 13		21 44				66 00	103 57
Holton			4 37				3 25	7 62
Homer							66 50	66 50
Homewood			39 01				48 25	87 26
Hough			10 38		112 00			122 38
Howard			5 38				4 00	9 38
Howe	18 75			9 62		13 50		41 87
Howlett							24 50	24 50
Hugo							21 00	21 00
Humboldt			2 25				25 50	27 75
Hunting					12 50			12 50
Huntington	10 50		7 05	14 00			67 50	99 05
Hurd			19 24				13 00	32 24
Hurlbut							15 00	15 00
Huron			13 18	6 38		74 35	104 75	198 66

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Hyde	$	$	$	$	$ 16 00	$	$	$ 16 00
Hauling Cross-walks					499 50			499 50
Independence	32 25		33 88		25 00		2,318 00	2,409 13
Intersections				12 00		12 00		24 00
Iona			17 56				24 25	41 81
Iris Alley	4 37							4 37
Irving	12 25		16 57				8 00	36 82
Isabella			3 50				85 50	89 00
Jackson			1 75				35 25	37 00
James				50 07		39 90		89 97
Japan			9 19				6 00	15 19
Jay			14 19		8 00		17 00	39 19
Jefferson	15 88		78 43			102 00	64 50	260 81
Jennings		15 38	12 50	47 00			193 50	268 88
Jersey			19 19				42 50	61 69
John			7 50				9 00	16 50
Johnson						21 00		21 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Jones	$	$	$	$	$	$	$ 33 75	$ 33 75
Judd			5 37				57 75	63 12
Julia							9 00	9 00
Junction			18 82				74 50	93 32
Kane							10 00	10 00
Kelley							44 50	44 50
Kennard	4 50	7 50				86 00	93 75	191 75
Kentucky			12 56			119 25	40 00	171 81
Keyes					12 50			12 50
Kindsvater							31 50	31 50
Kinkel				8 62			35 00	43 62
Kinsman					56 00	15 00	2,707 87	2,778 87
Kirtland			3 00				68 50	71 50
Lake	139 31	18 75	19 06			50 75		227 87
Lamont			5 37					5 37
Laurel							80 00	80 00
Lawn					32 00		49 50	81 50

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Lawrence	$ 10 75	$	$	$	$	$	$ 31 50	$ 42 25
Ledyard	.....	.....	.....	.....	10 12	.....	6 92	17 04
Lees Court	.....	.....	.....	.....	.....	.....	10 75	10 75
Lena	.....	.....	.....	.....	.....	.....	11 00	11 00
Leonard	.....	.....	.....	.....	52 88	82 94	.....	135 82
Lester	.....	.....	11 20	.....	.....	.....	41 50	52 70
Lexington	.....	.....	4 00	.....	7 88	.....	123 75	135 63
Leyden	.....	.....	2 19	.....	.....	.....	.....	2 19
Liberal	.....	.....	.....	.....	.....	.....	7 75	7 75
Liberty	18 00	.....	.....	.....	8 00	.....	60 50	86 50
Lincoln	.....	.....	13 45	.....	39 38	.....	145 00	197 83
Linden	.....	.....	.....	.....	16 00	.....	17 25	33 25
Lisbon	.....	.....	.....	.....	.....	.....	20 00	20 00
Literary	.....	.....	29 31	.....	.....	.....	52 00	81 31
Lodge	.....	.....	.....	.....	.....	.....	10 25	10 25
Logan	.....	.....	4 36	.....	56 00	.....	29 00	89 36
Long	.....	.....	.....	18 87	53 25	24 25	.....	96 37

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Longwood	$	$	$	$	$	$	$ 68 00	$ 68 00
Lorain	152 00		84 26	58 67	24 00	1,594 25	114 00	2,027 18
Louis							40 00	40 00
Lovejoy					12 50			12 50
Lucia							8 00	8 00
Lundy							16 00	16 00
Lussenden							45 50	45 50
Lyman			11 75		42 50		61 50	115 75
Lyon							61 50	61 50
Main	18 38	7 50	21 50	128 32		148 00		323 70
Mahoning							14 25	14 25
Mayflower					7 00		18 00	25 00
Maple							23 00	23 00
Marble							30 91	30 91
Marion			7 26		12 50		26 50	46 26
Market				49 50		94 50		144 00
Marquette			4 75				25 00	29 75

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Martin	$	$	$ 8 75	$	$	$	$	$ 8 75
Mason							39 50	39 50
Mathew					16 00			16 00
May					13 50		5 00	18 50
McBride			2 00				118 00	120 00
McConnell							6 00	6 00
McHenry		3 75			12 50		41 50	57 75
McKinstrey							8 00	8 00
McLean			3 50		8 00		16 00	27 50
Mead							129 00	129 00
Meadow	21 50					23 90		45 40
Mechanic	14 25				6 00		36 50	56 75
Meech							17 50	17 50
Mentor			2 63				30 00	32 68
Merchant			5 25		40 00		47 00	92 25
Merwin	13 00	6 00	9 63	151 13		289 75		469 51
Meyer			5 38		37 15		85 25	127 78

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Miami	$	$	$ 2 67	$	$	$	$	$ 2 67
Michigan	23 50			49 82		46 09		119 41
Middle						27 50		27 50
Miles			4 25		99 00		56 50	159 75
Miles Park			14 75		80 00		202 06	296 81
Milford			19 81	6 00			100 00	125 81
Mill			90 07		6 25		146 25	242 57
Milton							15 00	15 00
Minnesota					6 25		16 25	22 50
Monroe			22 62		31 13		82 00	135 75
Moore			4 44				10 50	14 94
Morse							40 25	40 25
Muirson	4 25				11 50		21 00	36 75
Mulberry							72 00	72 00
Mumford Place							38 75	38 75
Myrtle							8 50	8 50
Market (Central)	28 50					98 50	941 50	1,068 50

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Market (West Side)	$ 10 75	$	$	$	$	$	$ 526 50	$ 537 25
Market (Newburgh)							75 13	75 13
Nelson			15 32				20 50	35 82
New							50 50	50 50
Newark			12 50					12 50
Newell			7 69		12 50		38 00	58 19
Newton							15 00	15 00
Nicola							12 75	12 75
Noble	11 25					12 00		23 25
North Perry							30 00	30 00
North Woodland			4 37		12 50		290 25	307 12
Norwood			5 38				22 00	27 38
Noyes			3 50				15 00	18 50
Nursery			38 00				124 00	162 00
Oak							10 00	10 00
Oakdale	12 25		32 56		12 50		164 75	222 06
Ocean							15 75	15 75

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Odell Alley	$ 8 75	$	$	$	$	$	$	$ 8 75
Ohio	10 75		4 75	56 62	116 68	154 35	66 00	409 15
Old River	18 51		4 12	69 00		692 50	136 00	920 13
Olive			10 00		64 00		72 75	146 75
Oliver			18 38		6 25		69 00	93 63
Ontario	25 82		15 62	105 49		893 56		1,040 49
Orange	17 25		7 62	4 69			182 50	212 06
Orchard			13 44		24 00		12 50	49 94
Oregon			27 87		28 50		124 50	180 87
Osage			8 87				27 92	36 79
Osborn							48 50	48 50
Osmond			7 00					7 00
Otokar							16 00	16 00
Outhwaite	10 75		26 25		111 25		66 25	214 50
Paddock Place	14 25							14 25
Park Place							6 00	6 00
Parkman	5 37			10 00		98 00		113 37

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Payne	$ 118 25	$	$	$	$	$	$ 191 75	$ 310 00
Peach			3 50				6 00	9 50
Pear					23 00		18 25	41 25
Pearl	75 87	7 50	5 37	986 51	15 75	2,202 75		3,293 75
Pelton	4 25		42 67				42 00	88 92
Penn			17 88				43 00	60 88
Perkins			7 00		32 00		64 50	103 50
Perry	21 75		4 38	39 00		297 53	2 50	365 16
Permits (3106)	3,248 76							3,248 76
Petrie	13 44		41 00				467 63	522 07
Phelps		14 25			12 50		46 50	73 25
Pier							16 25	16 25
Pine			9 50					9 50
Pittsburgh			33 43	12 00		141 20	668 50	855 13
Platt	14 87		6 75		36 00		37 75	95 37
Pleasant			4 13				36 00	40 13
Plum					7 87		16 00	23 87

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Pollock	$	$	$ 15 06	$	$	$	$ 3 25	$ 18 31
Poplar							54 50	54 50
Portage			9 50				279 87	289 37
Prune			2 50				19 50	22 00
Pratt							6 92	6 92
Professor			18 88		24 00		22 00	64 88
Prospect	48 88		13 50	69 00		1,017 15	47 50	1,196 03
Prosser							22 50	22 50
Purdy							10 00	10 00
Public Square	34 25		3 50		47 25	219 74		304 74
Putnam					16 00		56 25	72 25
Quincy			36 98		126 00		489 70	652 68
Queen							10 00	10 00
Quimby							28 50	28 50
Race							5 00	5 00
Randall			4 12				54 75	58 87
Randolph							41 00	41 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Ravine	$	$	$ 16 12	$	$	$	$ 47 00	$ 63 12
Rawlings			5 37				70 00	75 37
Reade					12 00		23 25	35 25
Republic			2 25					2 25
Reservoir					24 00		10 00	34 00
Rhodes		3 75	114 12		40 00		240 50	398 37
Ridge			67 12				215 50	282 62
Reeves							30 00	30 00
River	21 37		8 87	14 17		258 94		303 35
Robert					17 25			17 25
Rockert	5 37						41 00	46 37
Rockwell				3 12	10 50	19 00	89 50	122 12
Root			4 12				54 00	58 12
Rose			4 12					4 12
Ross							30 00	30 00
Rossiter	6 13				6 25			12 38
Rowley			2 19		59 91		43 50	105 60

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Ruggles	$	$	$	$	$	$	$ 15 00	$ 15 00
Russell				15 63	64 00		61 00	140 63
Salting Catch Basins		171 50						171 50
Sackett							187 00	187 00
Sago							10 75	10 75
Sanford							13 75	13 75
Sawtell			29 50				105 00	134 50
Sawyer			50 74				50 56	101 30
Schieley Court							16 50	16 50
Scott							20 00	20 00
Scott Alley							3 00	3 00
Scovill	5 49	15 00	17 45	52 77	46 00	676 98	45 50	859 19
Scovill Court							2 25	2 25
Scranton	46 25		9 37	12 49	68 25	532 50	189 25	858 11
Second			5 38				35 00	40 38
Seelye	7 00						75 00	82 00
Selden			2 19				18 00	20 19

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Seneca	$ 85 38	$	$ 13 50	$ 26 75	$	$ 358 24	$	$ 483 87
Seymour			16 94				48 50	65 44
Sheriff				71 88	10 50	429 00		511 38
Siam			1 75				6 00	7 75
Sibley	10 50	7 50				145 50	152 50	316 00
Sixth							43 00	43 00
Sked			5 37				20 75	26 12
Slater	5 00		27 38				76 50	108 88
Smith							59 75	59 75
Solon			5 38				10 00	15 38
South Bell			2 37				50 75	53 12
South Logan							56 75	56 75
South Water			10 75					10 75
Southworth Alley	6 75			48 75		7 00		62 50
Southern					37 50		23 25	60 75
Spafford							53 75	53 75
Spring	3 37			4 32			36 50	44 19

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Spruce	$	$	$ 1 75	$ 74 00	$	$	$ 155 75	$ 231 50
Stanard							53 50	53 50
Starr							19 50	19 50
Stark			1 63				62 50	64 13
Starkweather			14 10				63 50	77 60
State	6 00	7 50	12 94				50 50	76 94
St. Clair	33 94	7 25	26 13	100 32	25 75	1,655 25	99 38	1,948 02
Steinway			3 00				242 50	245 50
Sterling			20 50		18 00	66 13	55 00	159 63
Stone's Levee						32 80	33 87	66 67
Storer			21 56		16 00		18 00	55 56
St. Paul					21 49		7 75	29 24
Streator			8 75				25 00	33 75
Summit	17 50						40 00	57 50
Sumner					15 75		53 25	69 00
Superior	89 87	15 00	112 76	160 53	104 62	1,692 51	152 50	2,327 79
Sweepers Cleaned							282 00	282 00

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Sweepers Repaired	$	$	$ 75 25	$	$	$	$ 60 00	$ 135 25
Swiss			9 49		32 00		114 50	155 99
Sykora			19 00		25 00		21 00	65 00
Taylor	26 63		15 68				248 37	290 68
Tennyson			4 25					4 25
Terrace							8 00	8 00
Tilden							16 00	16 00
Tod	8 25		74 01		39 00		659 25	780 51
Townsend			10 75		12 50		17 25	40 50
Tracy	8 25		28 50				10 00	46 75
Train			32 13				56 00	88 13
Tremont			17 50				8 00	25 50
Trumbull			22 75				40 00	62 75
Turney							161 25	161 25
Twenty-third			4 44				10 00	14 44
Union			5 38			12 00		17 38
University			29 19	47 25			46 50	122 94

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Union Depot	$	$	$	$ 29 50	$	$ 29 50	$	$ 59 00
Valley							50 00	50 00
Vega			16 80				108 25	125 05
Vermont	5 38						62 50	67 88
Vestry							10 00	10 00
Vienna							121 75	121 75
Vincent				2 10		51 25		53 35
Vine							30 00	30 00
Vinegar Hill							112 88	112 88
Viaduct (Superior)						588 75		588 75
Wade			7 00				60 00	67 00
Wade Park		222 50	21 45	44 75	8 33		72 50	369 53
Wadsworth							16 00	16 00
Wales			6 00		12 50		31 00	49 50
Walker	4 00		7 69		12 50		10 50	34 69
Wall							5 00	5 00
Wallingford Court			5 37				46 75	52 12

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Walnut	$	$	$	$	$	$	$ 102 50	$ 102 50
Walton			12 38		14 50		58 50	85 38
Walworth Run			38 50				121 75	160 25
Ward			18 50	8 00			32 50	59 00
Warden							8 25	8 25
Waring	15 57				12 50		30 50	58 57
Warner Road			11 69				733 25	744 94
Warren Alley			16 63					16 63
Warren			20 38				53 25	73 63
Washington				134 38			97 00	231 38
Wason			8 75		6 25		30 50	45 50
Water	5 38		5 37	58 00	12 00	304 87		385 62
Waverly			20 63		32 00		218 75	271 38
Webster			2 19				56 50	58 69
Weckerling					12 50		85 00	97 50
Weddell			9 51				14 00	23 51
West						18 15		18 15

TABLE NO. 1.—*Continued.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
West Clinton	$	$	$	$	$	$	$ 5 00	$ 5 00
West Madison							62 73	62 73
West River	37 00	9 50		347 44		528 75		922 69
White	15 25						60 00	75 25
Whitehead							52 62	52 62
Whitman			3 50				29 00	32 50
Wilbur					12 50		29 25	41 75
Willcutt							12 37	12 37
Willett			2 19				20 00	22 19
Willey	8 25		15 32		16 00		91 00	130 57
William							9 25	9 25
Willson	377 37	18 75	133 55	12 06		452 53	532 88	1,527 14
Windsor							25 00	25 00
Winnenden					12 50			12 50
Winslow		3 75	2 69				27 25	33 69
Winter						47 00		47 00
Wire							6 91	6 91

TABLE NO. 1.—*Concluded.*

Streets.	Puddl'g Streets and Flush'g Sewers.	Mason Repairs and Cleaning Catch Basins.	Carpen'r Labor on Box Gutters, Drains, &c.	Paving Repairs.	Laying and Relaying Cross-walks.	Cleaning Paved Streets and Alleys.	Cleaning, Rounding and Filling on Unpaved Streets.	Total.
Wood	$ 29 75	$	$ 19 37	$	$	$ 23 50	$ 29 75	$ 102 37
Woodbine	.....	.....	.....	.....	.....	.....	25 75	25 75
Woodland	63 38	.....	54 37	152 77	163 37	1,992 53	206 75	2,633 17
Woodland Court	.....	.....	.....	.....	.....	.....	13 75	13 75
Woodland Hills	.....	.....	65 38	82 50	.....	.....	1,045 20	1,193 08
Worley	.....	.....	26 50	.....	.....	.....	9 87	36 37
West Side Office	.....	.....	19 25	.....	.....	.....	.....	19 25
York	.....	7 50	29 56	.....	.....	.....	70 12	107 18
Yard (Davis Street)	.....	.....	.....	.....	.....	.....	33 25	33 25
Total	$ 6,002 88	$ 4,326 37	$ 5,192 39	$ 6,251 99	$ 5,460 32	$ 33,341 66	$ 43,807 23	$ 104,382 84

TABLE NO. 2.

SHOWING THE CHARACTER AND COST OF REPAIRS TO STREETS, CULVERTS, SEWERS, ETC., DURING THE YEAR, NOT ENUMERATED IN TABLE No. 1, AS PER BILLS.

Streets.	Gravel and Filling. Cost.	Concrete Paving Repairs. Cost.	Repairs to Culverts Cost.	Repairs to Sewers and Catch Basins. Cost.	Total.
Bond	$	$ 15 50	$	$	$ 15 50
Broadway		85 10		5 00	90 10
Euclid	5 50	32 60			38 10
Franklin		7 00			7 00
Kennard		26 80			26 80
Ontario		14 00			14 00
Prospect		7 50			7 50
Sawyer			269 90		269 90
Taylor				14 75	14 75
Superior		85 05			85 05
Willson		27 30			27 30
West Side Office				10 43	10 43
Wade Park			11 29		11 29
Total	$ 5 50	$ 300 85	$ 281 19	$ 30 18	$ 617 72

TABLE NO. 3.

SHOWING COST AND REPAIRS OF STREET SWEEPING MACHINES, ROAD MACHINES, CARRYALL WAGON AND SPRINKLING CART FOR THE YEAR, AS PER BILLS.

Bills rendered by		
Union Rattan Co., Reed for Brooms	$ 183 68	
Upson, Walton & Co., 166 lbs. Pitch	2 75	
Adams, Jewett & Co., Burlaps	6 19	
Fulton Foundry Co., Castings	7 80	
Harrison & Many Lighting Co., Oils	4 94	
G. L. Hechler, Paints	6 10	
Peter Black, Repairs to Sweepers	52 10	
Rauch & Lang, " " "	2 35	
Clough, Witt & Co., " " "	377 48	
Ohio Brush Works, Brooms for "	430 00	
		$ 1,073 39
Peter Black, Repairs to Road Machine	16 00	
Philip Boppel, " " " "	37 40	
Lawrence, Miller & Brightman, Knives for Road Machines	32 00	
		85 40
Walter & Feiten, Repairs to Sprinkler	1 50	
Fox Bros., " " "	7 50	
John Hach, Hose for Sprinkler	8 00	
		17 00
Peter Black, Repairs to Carryall	6 65	
A. Schmitt, " " "	11 80	
W. H. Gabriel, " " "	30 60	
		49 05
		$ 1,224 84

TABLE NO. 4.

HARDWARE, BLACKSMITHING, LUMBER, BRICK AND CEMENT ACCOUNT.

Firms.	Hardware, Nails, &c.	Blacksmithing, Sharpening Picks, &c.	Lumber.	Brick.	Sewer Supplies and Cement.	Gravel.	Paving and Catch Basin Stone.	Total.
T. McGowan	$	$ 11 85	$	$	$	$	$	$ 11 85
David Jones	.....	21 80	.....	.....	.....	.....	.....	21 80
John Panek	.....	21 30	.....	.....	.....	.....	.....	21 30
T. B. Cowley	.....	1 80	.....	.....	.....	.....	.....	1 80
Philip Boppel	.....	43 55	.....	.....	.....	.....	.....	43 55
Peter Black	.....	16 00	.....	.....	.....	.....	.....	16 00
S. Fix's Sons	.....	270 80	.....	.....	.....	.....	.....	270 80
W. H. Gabriel	.....	36 30	.....	.....	.....	.....	.....	36 30
J. Hartman	.....	20 75	.....	.....	.....	.....	.....	20 75
G. W. Wheeler	.....	139 35	.....	.....	.....	.....	.....	139 35
Fox Bros	.....	95	.....	.....	.....	.....	.....	95
Rauch & Lang	.....	40 15	.....	.....	.....	.....	.....	40 15
Wm. Hennis	.....	.....	.....	.....	.....	200 00	.....	200 00
Wm. Harrison	.....	.....	.....	16 00	.....	.....	.....	16 00
Clements Bros	.....	.....	.....	.....	37 10	.....	.....	37 10
Union Stone Co.	.....	.....	.....	.....	.....	.....	82 00	82 00
S. Smith	.....	.....	.....	.....	.....	.....	13 00	13 00
Woods, Jenks & Co.	.....	.....	2,525 93	.....	.....	.....	.....	2,525 93
Geo. Saal's Sons	487 65	.....	.....	.....	.....	.....	.....	487 65
McIntosh, Huntington & Co.	232 43	.....	.....	.....	.....	.....	.....	232 43
Davis, Hunt & Co.	18 36	.....	.....	.....	.....	.....	.....	18 36
A. T. Van Tassell & Co.	5 40	.....	.....	.....	.....	.....	.....	5 40
H. W. Luetkemeyer & Son	126 24	.....	.....	.....	.....	.....	.....	126 24
Frank Reilley & Co.	.....	.....	.....	.....	.....	15 60	.....	15 60
Claflen Paving Co.	.....	.....	.....	.....	.....	.....	13 17	13 17
Total	$870 08	$624 60	$2,525 93	$16 00	$37 10	$215 60	$108 17	$4,397 48

TABLE NO. 5.

MISCELLANEOUS BILLS.

Bills rendered by	
East Cleveland R. R. Co., Tickets	$ 20 00
Chas. Lederer & Son, Salt	10 80
Jas. Hayr, Glass	1 75
C., C., C. & I. R. R. Co., Switching cars with slag	25 00
Penna. R. R. Co., " " " "	30 00
Valley R. R. Co., " " " "	46 00
P. M. Smith, cash advanced to repair man hole covers	1 50
J. Sohl, " " for Ex. on Reed, etc.	3 80
D. A. O'Neill, " " " Document File 1	75
G. H. Heringshaw, File Case	3 25
Brooks & Co., Stationery	90 68
Fire Department, care of telephone	25 00
J. Fleharty & Co., 15 Street Department badges	7 50
Cleveland Telephone Co., use of telephone	20 00
J. G. Glueck & Co., papering and painting office	66 48
Fries & Schuele, carpets and oil cloth for office	138 03
Burgess Bros., furniture for office	98 00
Cleveland Directory Co., 1 copy	5 00
A. G. Fay, coal for West Side office	7 00
Rhodes & Beidler, coal for Davis street yard	3 25
P. O'Brien & Co., matches, etc	2 35
J. Seiberth, coal	3 65
Sterling, Welch & Co., curtains	10 00
Wm. F. McRobert, 2 pails	1 00
Goldstein & Sacheroff, hose	50 30
F. Bernhard, 1 dozen brooms	2 75
Robt. S. West, ½ bbl. Chlora Naptholum	18 00
	$ 691 84

TABLE No. 6.

SALARIES OF OFFICERS.

Street Commissioner	$ 2,500 00	
Assistant Street Commissioner	1,200 00	
Clerk	900 00	
Superintendent of Paving Repairs	1,109 50	
Superintendent of Catch Basins	1,092 00	
Superintendent of Sweeping Paved Streets	735 00	
Superintendents of Streets	3,745 62	
Inspectors of Streets	2,621 25	
Janitor and Yard man	469 50	
Messenger	379 37	
		$ 14,752 24

TABLE NO. 7

EXPENDITURES BY SOURCES OTHER THAN STREET COMMISSIONER.

Cleveland Printing & Publishing Co.	88 50	
Claflen Paving Co., Eng. Est. Paving Stone	521 82	
Milton Morton, cross-walk Hoadley and Superior	18 37	
S. Smith, stone, Engineer Department	23 40	
		$ 652 09

TABLE NO. 8.

SHOWING CHARACTER AND COST OF REPAIRS TO SEWER, CATCH BASINS, DRINKING FOUNTAINS, AND CLEANING NEWBURGH MARKET HOUSE.

Charged to Sewer District General Fund and Market Fund as per bills rendered through this office.

Streets.	Catch Basins.	Sewers.	Newburgh Market.
Academy	*	$ 12 00	
Adelbert	8 50		
Bank		7 75	
Beech	11 00		
Beckwith		226 51	
Bolivar		33 57	
Birch		24 55	
Bridge		10 00	
Broadway	3 50		
Canal		19 78	
Center		24 76	
Cedar		10 20	
Charles		7 50	
Chestnut	35 00	9 61	
Clark	21 40		
Commercial	8 25		
Courtland		70 30	
Croton		10 50	
Drinking Fountains		80 86	
Erie		32 62	
Forest		85 45	
Front		59 20	
Garden		3 75	
Grant		13 86	
Greenwood	4 50		
Hillburn		12 50	
Hickox		20 20	
Kennard	4 75		

TABLE NO. 8.—*Continued.*

Streets.	Catch Basins.	Sewers.	Newburgh Market.
Lake	$	$ 35 40	
Long	.....	11 00	
Longwood	.....	7 50	
Lorain	.....	347 20	
Madison	62 00	21 00	
Maple	.....	15 50	
Main	19 15	55 40	
Michigan	.....	10 00	
Muirson	26 70	.....	
Orange	.....	10 00	
Ontario	.....	10 85	
Old River	.....	837 40	
Osborn	.....	13 73	
Perry	.....	27 50	
Payne	53 00	33 50	
Perkins	69 00	.....	
Pearl	.....	85 00	
River	10 33	48 50	
Seneca	.....	28 70	
Scranton	6 05	.....	
Sterling	.....	8 00	
Scovill	.....	24 08	
St. Clair	9 35	19 00	
Sixth	.....	12 50	
Sibley	.....	12 50	
Superior	28 70	133 72	
Taylor	.....	6 98	
Vermont	67 80	.....	
West River	.....	14 37	
Willson	.....	253 70	
Webster	34 10	12 70	
Woodland	11 12	26 35	
Newburgh Market, cleaning	.....	.....	$ 50 00
Totals	$ 494 26	$ 2,922 05	$ 50 00
Grand Total	.....	.....	$ 3,466 31

									$ 126,719 05
	Repairing sewers. Cost.	Repairing catch basins Cost.	Repairing drinking fountains. Cost.	Cleaning Newburgh market. Cost.				Total.	
TABLE No. 8.—Expenditures for sewers, catch basins, drinking fountains, and cleaning the Newburgh market house charged to Sewer District, General Fund, and the Market Fund	$ 2,841 19	$ 494 96	$ 80 86	$ 50 00					
	$ 2,841 19	$ 494 96	$ 80 86	$ 50 00					$ 3,466 31

TABLE NO. 10.

INVENTORY.

Axes	1
Axes	3
Badges	16
Blackboard	1
Baskets	2
Brooms (push)	55
Brooms (common)	9
Brooms (brush)	2
Brooms for sweepers (new)	4
Carpets	2
Carryall	1
Coal scuttles	3
Chains	20
Chisels (cold)	1
Chisels	2
Cuspidores	11
Clocks	1
Crowbars	23
Couplings (hose)	20
Copying press and book	1
Desks (office)	6
Directory	1
Dusters	2
Files, letter	1
Grindstones	2
Grubs	6
Hammers, (mason)	1
Hammers, (claw)	2
Hammers, (stone)	18
Hammers, (sledge)	5
Hatchets	2

Hoes	40
Hose, sections	10
Hose, sections damaged	10
Ice bars	10
Ice hooks	6
Iron cross-walks	17
Inkstands	6
Knives for Road Machines	2
Lanterns	12
Lantern globes	8
Lamps	1
Lines	6
Manhole covers	9
Monkey wrenches	3
Nails, 1 keg 20 d., 1 keg 10 d	2
Nippers	1
Nozzles for hose	1
Oil cans	4
Oil cloths	2
Pails	6
Padlocks	5
Picks	128
Plows	4
Pounders	3
Rakes	8
Reed for brooms on Street Sweepers, pounds	600
Road Machines	3
Saws	7
Screw drivers	1
Steel bars	1
Shovels	44
Shovels (small)	3
Snow plows	5
Sprinkling carts	1
Stoves	3
Squares	3
Street Sweeping Machines	5
Stone cross-walks, feet	1,640
Stone paving, cords	218
Tape lines	1

Tamping bars	3
Vises	1
Waste baskets	4
Wheelbarrows	11
Wagon jacks	1
Wrenches	5

City Auditor's Report.

AUDITOR'S DEPARTMENT.

JAY L. ATHEY,	City Auditor.
CHAS. H. CARRAN,	Deputy Auditor.
CLARA WHEELER,	Assistant in Pay Department.
E. H. RUSSELL,	Book-keeper.
P. J. WAGNER,	Book-keeper.
FREDERICK GREEN,	Chief of Tax Department.
GEO. F. DALEY,	Assistant in Tax Department.
VICTORIA A. SMITH,	Assistant in Tax Department.
MARY REILLY,	Assistant in Tax Department.
J. P. BARRY,	Messenger.

Report of the City Auditor.

CLEVELAND, O., January 27, 1890.

To the Honorable Common Council:

GENTLEMEN:—In accordance with law, I herewith submit the annual statement of the accounts and finances of the City of Cleveland for the year 1889, embraced in tables numbered from one to eighteen inclusive, and showing as follows:

TABLE No. 1.—A general exhibit of resources and disbursements in 1890.

TABLE No. 2.—Analysis of resources of each general fund for 1889.

TABLE No. 3.—A comparison of ordinary expenses paid from the following funds for 1888 and 1889.

TABLE No. 4.—The condition of each fund and account January 1st, 1890.

TABLE No. 5.—The municipal levy for each general fund in the tax of 1889, and comparison with that of 1888.

TABLE No. 6.—Amount and proceeds of all bonds issued in 1889.

TABLE No. 7.—Amount and maturity of general bonds outstanding January 1, 1890.

TABLE No. 8.—Amount and maturity of street improvement bonds outstanding January 1, 1890.

TABLE No. 9.—Amount and maturity of street damage bonds outstanding January 1, 1890.

TABLE No. 10.—Amount and maturity of sewer bonds outstanding January 1, 1890.

TABLE No. 11.—Recapitulation of bonds outstanding January 1, 1890.

TABLE No. 12.—Comparison of city debt of all kinds January 1, 1888, and January 1, 1890.

TABLE No. 13.—Principal and interest of bonds maturing in each month of 1890.

TABLE No. 14.—A comparative showing of items included for nineteen years—1871 to 1889 inclusive.

TABLE No. 15.—Amounts levied in the tax of 1889 upon sewer districts.

TABLE No. 16.—Lists of assessments prepared by the City Auditor's department and levied in the tax of 1889.

TABLE No 17.—Amount of taxes levied in each main sewer district.

TABLE No. 18.—Results in 1889.

Tabular Exhibit.

TABLE NO. 1.

A GENERAL EXHIBIT OF THE RESOURCES AND DISBURSEMENTS FOR THE YEAR 1889, IN ACCOUNT WITH THE CITY TREASURER.

RESOURCES.		
Cash on hand January 1, 1889		$ 476,637 59
Taxes	$1,949,848 81	
Sale of bonds	460,122 17	
City notes	28,300 00	
From Sinking Fund of 1862, for repaving streets	24,981 75	
From Sinking Fund Commissioners, from General Sinking Fund.	117,000 00	
Dow Law Tax	310,435 03	
From Sinking Fund Commissioners for Seneca street bridge	39,660 28	
From Sinking Fund Commissioners for Willow street bridge	7,375 00	
From Sinking Fund Commissioners for engine house	5,000 00	
Receipts other than above:		
To Bridge Fund	1,406 90	
" Cemetery Fund	27,407 17	
" Dredging Fund	879 12	
" Fire Department	1,775 80	
" General Fund	33,855 89	
" House of Correction	116,287 40	
" Hospital Fund	9,219 65	
" Infirmary Fund	18,720 91	
" Lighting Fund	1,012 32	
" Market Fund	18,035 15	
" Police Court	22,901 04	
" Police Department	68 12	
" Park Fund	213 25	
" Street Department	18,803 95	
" Sanitary Fund	3,040 53	
" Viaduct and Canal Sinking Fund	2,002 75	
" Water Works	478,996 18	
Miscellaneous accounts	37,084 50	
Income for the year 1889		3,734,433 67
Total resources for the year 1889		$4,211,071 26

TABLE NO. 1.—*Continued.*

DISBURSEMENTS.		
Ordinary running expenses	$1,557,377 55	
General bonded debt	318,500 00	
Interest on general debt	451,572 60	
Special bonded debt	293,600 00	
Interest on special bonded debt	33,741 00	
City notes	31,750 00	
Interest on city notes	2,889 48	
Taxes refunded	16,150 19	
Commission to Am. Ex. Nat. Bank, New York	1,286 85	
Special improvements and miscellaneous accounts	338,270 73	
Paid to Sinking Fund Commissioners for investment	152,376 79	
Seneca street bridge	42,640 92	
Permanent improvements (Table No. 2).		
Fire Department	12,413 00	
Police Department	8,428 00	
Police Court	13,619 75	
Infirmary	23,062 47	
Repaving streets	49,825 42	
Water Works	356,129 47	
Total expenditures		$3,703,634 21
City Treasury:—		
Dr. to cash January 1, 1890		507,437 05
Total		$4,211,071 26

TABLE NO. 2.

ANALYSIS OF RESOURCES AND DISBURSEMENTS OF THE MUNICIPAL FUNDS OF THE CITY OF CLEVELAND FOR THE YEAR 1889.

BRIDGE FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 4,980 31	
City tax levy	14,627 06	
County tax levy	22,471 09	
From Street Ry. Cos. for use of tracks on Viaduct	1,406 90	
Portion of tax levy of 1889	12,000 00	
Miscellaneous	949 48	$ 56,434 84
DISBURSEMENTS.		
Ordinary expenses	55,104 67	55,104 67
Cash on hand January 1, 1890		$ 1,330 17

TABLE NO. 2.—*Continued.*

CEMETERY FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 24,722 30	
L. W. Bailey, Secretary, sale of lots, etc.	27,407 17	$ 52,129 47
DISBURSEMENTS.		
Ordinary expenses	25,423 01	25,423 01
Cash on hand January 1, 1890		$ 26,706 46

TABLE NO. 2.—*Continued.*

DREDGING FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 8,830 64	
City tax levy	7,988 42	
Special tax levy	15,940 10	
Portion of tax levy of 1889	5,000 00	
From L. C. Overman, United States Engineer	879 12	$ 38,638 28
DISBURSEMENTS.		
Ordinary expenses	33,543 97	33,543 97
Cash on hand January 1, 1890		$ 5,094 21

TABLE NO. 2.—*Continued.*

CROSSWALK FUND.		
RESOURCES.		
City tax levy	$ 8,988 43	$ 8,988 43
DISBURSEMENTS.		
Ordinary expenses	6,853 70	6,853 70
Cash on hand January 1, 1890		$ 2,134 73

TABLE NO. 2.—*Continued.*

FIRE DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1889	$ 53,835 29	
City tax levy	190,216 62	
A. J. Spencer, Secretary	1,775 80	
Portion of the tax levy of 1889	40,000 00	
From Sinking Fund Commissioners	5,000 00	$ 290,827 71
DISBURSEMENTS.		
Ordinary expenses	253,263 89	
Lot on Windsor avenue	5,400 00	
Engine house	7,013 00	
Suspended Account Fund	16,291 58	281,968 47
Cash on hand January 1, 1890		$ 8,859 24

TABLE NO. 2.—*Continued.*

GENERAL FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 67,840 67	
City tax levy	4,436 38	
City Hall rents	9,241 08	
Hay scales, licenses, cow pounds, etc	24,614 81	
Reimbursements from special accounts	8,297 60	
Dow Law Tax	116,413 13	
Portion of tax levy of 1889	35,000 00	$ 265,843 67
DISBURSEMENTS.		
Ordinary expenses	203,420 35	203,420 35
Cash on hand January 1, 1890		$ 62,423 32

TABLE NO. 2.—*Continued.*

HOUSE OF CORRECTION.		
RESOURCES.		
Cash on hand January 1, 1889	$ 8,808 88	
From W. D. Patterson, Superintendent	104,220 15	
From County Treasurer for board of county prisoners	12,067 25	
City tax levy	11,982 65	
Miscellaneous	1,700 65	$ 138,779 58
DISBURSEMENTS.		
Ordinary expenses	135,731 49	135,731 49
Cash on hand January 1, 1890		$ 3,048 09

TABLE NO. 2.—*Continued.*

HOSPITAL FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 1,268 20	
City tax levy	3,934 22	
From City Clerk	9,219 65	$ 14,482 07
DISBURSEMENTS.		
Ordinary expenses	4,456 20	
Transfer to Street Department	9,000 00	13,456 20
Cash on hand January 1, 1890		$ 1,025 87

TABLE NO. 2.—*Continued.*

INFIRMARY FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 6,296 78	
From County Treasurer for board of county paupers	13,171 02	
From L. S. O'Neil, Clerk	5,549 89	
Miscellaneous	323 66	
Dow Law Tax	77,608 75	$ 102,950 10
DISBURSEMENTS.		
Ordinary expenses	78,715 38	
Permanent improvements	23,062 47	101,777 85
Cash on-hand January 1, 1890		$ 1,172 25

TABLE NO. 2.—*Continued.*

INTEREST FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 88,793 63	
City tax levy	375,697 70	
Accrued interest and premium on city bonds	22,702 30	
Interest on deposits	5,566 85	$ 492,760 48
DISBURSEMENTS.		
Interest on general bonded debt	451,572 60	451,572 60
Cash on hand January 1, 1890		$ 41,187 88

TABLE NO. 2.—*Continued.*

LIGHTING FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 18,866 27	
City tax levy	116,826 50	
Portion of tax levy of 1889	35,000 00	
Dog tax	994 07	
Miscellaneous	704 28	$ 172,391 12
DISBURSEMENTS.		
For electric light	19,871 38	
" gas "	90,848 29	
" vapor "	46,926 95	
" lanterns, lamp posts, glass and repairs	6,928 04	164,574 66
Cash on hand January 1, 1890		$ 7,816 46

TABLE NO. 2.—*Continued.*

MARKET FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 265 73	
Proceeds of sale of wholesale meat curbs	1,000 15	
Market rents	16,519 00	
Payment for transfer of space	135 00	
From City Clerk	331 00	$ 18,300 88
DISBURSEMENTS.		
Ordinary expenses	15,095 84	
Transfer to Park Fund	1,000 00	
Sundry transfers	1,623 13	17,718 97
Cash on hand January 1, 1890		$ 581 90

TABLE NO. 2.—*Continued.*

POLICE COURT.		
RESOURCES.		
Cash on hand January 1, 1889	$ 11,956 04	
From Robt. M. Cordes, Clerk	20,026 11	
From W. D. Patterson, Superintendent of House of Correction	800 70	
From City Clerk	1,986 93	
Miscellaneous	78 30	$ 34,857 08
DISBURSEMENTS.		
Ordinary expenses	16,672 82	
Detroit Street Station House	13,619 75	30,292 57
Cash on hand January 1, 1890		$ 4,564 51

TABLE NO. 2.—*Continued.*

POLICE DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1889	$ 40,973 90	
City tax levy	137,297 59	
Dow Law Tax	116,413 15	
Portion of tax levy of 1889	35,000 00	
John Vanek, Secretary	41 12	
Warrant credited back	27 00	$ 329,752 76
DISBURSEMENTS.		
Ordinary expenses	294,866 18	
Detroit Street Station House	8,428 00	
Suspended Account Fund	19,832 35	323,126 53
Cash on hand January 1, 1890		$ 6,626 23

TABLE NO. 2.—*Continued.*

PARK FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 3,089 16	
City tax levy	14,976 86	
Portion of tax levy of 1889	3,000 00	
W. H. Eckman, Secretary	12 50	
A. H. Stone, for use of boats in Wade Park	175 90	
Warrants credited back	24 85	
From Market Fund	1,000 00	
From Sinking Fund Commissioners	50,000 00	$ 72,299 27
DISBURSEMENTS.		
Ordinary expenses	18,631 96	
Lake View Park Bonds	50,000 00	68,631 96
Cash on hand January 1, 1890	.....	$ 3,647 31

TABLE NO. 2.—*Continued.*

STREET DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1889	$ 21,939 92	
City tax levy	67,895 90	
Plumbers' permits, repairs, etc	16,993 95	
Sale of city note	15,000 00	
Street car licenses	1,810 00	
Portion of tax levy of 1889	5,000 00	
Transfer from Hospital Fund	9,000 00	$ 137,639 77
DISBURSEMENTS.		
Ordinary expenses	128,407 10	128,407 10
Cash on hand January 1, 1890	.....	$ 9,232 67

TABLE NO. 2.—*Continued.*

SANITARY FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 14,373 57	
City tax levy	19,971 09	
From W. E. Craig, Secretary	3,014 65	
Warrants credited back	25 88	$ 37,385 19
DISBURSEMENTS.		
Ordinary expenses	32,085 87	32,085 87
Cash on hand January 1, 1890		$ 5,299 32

TABLE NO. 2.—*Continued.*

SINKING FUND (For General Bonds).		
RESOURCES.		
Cash on hand January 1, 1889	$ 22,920 13	
City tax levy	247,181 92	
Earnings for the year as per Sinking Fund Commissioners' report	768 80	
Sale of bonds	100,000 00	
Bond street opening	2,370 26	$ 373,241 11
DISBURSEMENTS.		
Funded debt bonds	267,000 00	
Lake View Park Bonds	50,000 00	
Petrie Street Bridge Bonds	1,500 00	318,500 00
Cash on hand January 1, 1890		$ 54,741 11

TABLE NO. 2.—*Continued.*

STREET INTERSECTION FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 23,579 96	
City tax levy	27,459 52	
Case Avenue paving	1,000 00	$ 52,039 48
DISBURSEMENTS.		
Norwood street grading	860 08	
Quincy street grading	90 59	
Florence street grading	276 21	
Belmont street grading	51 50	
Irving street grading	33 87	
Middle street paving	868 95	
Genesee street curbing	183 81	
Case avenue paving	6,615 68	
Lodge avenue curbing	12 67	
Payne avenue curbing	2,988 45	
Rawlings avenue grading	4 43	
Kennard street paving	1,983 81	
Watkins avenue grading	12 28	
Whitehead street grading	2 24	
Lisbon street curbing	70 24	
Hawlett street grading	28 33	
Waring street grading	12 78	
Worthington street grading	6 69	
Hunting street grading	14 35	
Linden street curbing	51 22	
Lorain street grading	47 89	
Dibble avenue curbing	2 76	
Dibble avenue grading	21 89	
Croton street curbing	2,139 85	
Atwater street grading	14 62	
Lisbon street grading	10 41	
Crawford street grading	89 45	
Sterling avenue curbing, Prospect to Scovill	367 12	
Greenwood street curbing	110 21	
Forward	.....	.....

TABLE NO. 2.—*Continued.*

STREET INTERSECTION FUND.—*Continued.*		
DISBURSEMENTS.—*Continued.*		
Forward	$	
Prague street grading	2 56	
Burton street curbing	31 04	
Sherbrook street curbing	61 85	
Keyes street curbing	95 11	
Bolton avenue grading, Euclid to Hough	34 82	
Jessie street grading	9 32	
Ruggles street grading	14 94	
Shirley street grading	2 92	
Carroll street paving	300 00	
Bolton avenue paving, Euclid to Cedar	421 89	
Bolton avenue grading, Cedar to Quincy	184 57	
Watkins avenue curbing	93 45	
Brooker avenue curbing	85 76	
Heisley street grading	14 45	
Congress street grading	127 46	
Mayfield street grading	33 74	$ 18,486 26
Cash on hand January 1, 1890		$ 33,553 22

TABLE NO. 2.—*Continued.*

VIADUCT AND CANAL SINKING FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 793,702 83	
City tax levy	2,247 11	
Miscellaneous	2,002 75	
Earnings for the year as per Sinking Fund Commissioners report	48,772 11	$ 846,724 80
DISBURSEMENTS.		
Cash on hand January 1, 1890		$ 846,724 80

TABLE NO. 2.—*Continued.*

WATER WORKS FUND.		
RESOURCES.		
Cash on hand January 1, 1889	$ 75,929 91	
Water rents	478,996 18	$ 554,926 09
DISBURSEMENTS.		
Ordinary expenses	90,530 46	
Permanent improvements	356,129 46	446,659 92
Cash on hand January 1, 1890		$ 108,266 17

TABLE No. 3.

COMPARISON OF ORDINARY EXPENSES PAID FROM THE FOLLOWING FUNDS IN 1888 AND 1889, MAKING ALLOWANCE FOR BILLS CARRIED OVER IN BOTH YEARS.

FUND.	1888.	1889.	Increase.	Decrease.
Bridge	$ 43,046 90	$ 55,104 67	$ 12,057 77	
Dredging	23,724 99	33,543 97	9,818 98	
Fire Department	233,493 64	253,263 89	19,770 25	
General	174,784 40	203,420 35	28,635 95	
House of Correction	119,116 53	135,731 49	16,614 96	
Infirmary	90,643 11	101,777 85	11,134 74	
Lighting	159,779 67	164,574 66	4,794 99	
Market	12,911 30	15,095 84	2,184 54	
Park	25,573 45	18,631 96	.....	$ 6,941 49
Police Department	252,127 95	294,866 18	42,738 23	
Police Court	14,089 19	16,672 82	2,583 63	
Sanitary	28,103 47	32,085 87	3,982 40	
Street	102,889 90	128,407 10	25,517 20	
Water Works	89,395 49	90,530 46	1,134 97	
Totals	$1,369,679 99	1,543,707 11	180,968 61	
Balancing	.....	1,369,679 99	6,941 49	
Net increase in 1889	.....	$174,027 12	$174,027 12	

TABLE NO. 4.

STATEMENT OF THE CONDITION OF VARIOUS FUNDS OF THE CITY OF CLEVELAND, JANUARY 1, 1890.

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Atlantic St., grading, &c.	$ 1,000 00	$ 35 59	$
Armory			21 37
Academy St., grading		461 58	
Abbey St., grading		38 98	
Auburn St., sewer, Scranton to Jennings			
Astor Ave., sewer	500 00		
Ackley Ave., curbing			
Ansel Ave., curbing			
Atwater St., grading			
Auburn St., sewer, Pearl to Scranton			
Auburn St., sewer, Merchant to Jennings			
Arch St., sewer			
Buhrer Ave., sewer, Scranton to Jennings			
Bolton Ave., grading, Cedar to Quincy			
Bond St., re-paving, Superior to Euclid		403 75	
Belden Ave., sewer, Superior to Payne			
Bond St., opening, Superior to Euclid			2,370 26
Broadway, paving, Ohio to Independence	6,000 00		75 84
Broadway, paving, Independence to Union	19,000 00		130 96
Burwell St., sewer, Forest to Arch			
Burwell St., sewer, Case to Wallingford Court			
Broadway, re-paving, Union to Miles.	106,000 00		116 05
Birch St., grading, Franklin to Detroit			8 60
Broadway, re-paving, 900 ft. so. of Ind. to Mead		257 59	
Beckwith St., improvement		1,042 13	
Brooker Ave., curbing, Cedar to Quincy			
Broadway, sewer, Union to Miles			5,309 36
Broadway, paving, Miles to W. H. Ave		104 96	
Brooker Ave., grading, Cedar to Quincy		5 83	
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$ 25 00	$ 60 59	$	$	$ .....
21 37	.....	.....	.....	.....
23 03	484 61	.....	.....	.....
4,150 00	4,297 53	.....	.....	108 55
1,435 12	1,438 12	.....	.....	.....
2,065 84	2,142 18	.....	.....	76 34
9,609 86	10,515 16	.....	.....	905 30
443 58	597 21	.....	.....	153 63
690 44	694 23	.....	.....	3 79
1,577 04	1,577 04	.....	.....	.....
355 11	615 71	.....	.....	260 60
284 99	284 99	.....	.....	.....
.....	3,028 23	.....	.....	3,028 23
1,510 22	2,056 77	.....	.....	546 55
7 22	410 97	.....	.....	.....
2,404 27	3,155 75	.....	.....	751 48
2,370 26	.....	.....	.....	.....
7,500 00	8,389 40	.....	.....	965 24
20,330 00	20,233 10	.....	.....	34 06
558 41	559 41	.....	.....	1 00
717 11	717 11	.....	.....	.....
117,680 00	118,879 47	8,415 14	.....	1,315 52
27 23	18 63	.....	.....	.....
.....	21 20	.....	236 39	.....
.....	.....	.....	1,042 13	.....
1,389 28	1,708 72	.....	.....	319 44
170 36	5,797 35	.....	.....	10,986 50
.....	.....	.....	104 96	.....
.....	5 83	.....	.....	.....
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Bolton Ave., grading, Euclid to Hough			
Bolton Ave., paving, Euclid to Cedar			
Broadway, re-paving, Union to Mead			3,532 67
Brookfield St., grading, Euclid to Hough			1,946 59
Belmont St., grading, &c.			161 37
Burton St., grading, Clark to Newark			
Bridge			4,980 31
Brayton St., grading		58 25	
Carroll St., sewer			
Congress St., grading			
Case Ave., sewer, Croton to Woodland			
Canal St., sewer, Champlain to Michigan			
Champlain St., re-paving			
Canal St., re-paving, Champlain to Michigan			
Corwin Ave., paving			
Clark Ave., sewer, Jennings to Merchants			
Croton St., grading, Jackson to Case			
Cedar Ave., sewer, E. Madison to Doan			
Cedar Ave., sewer, Fairmount to Doan			
Cologne St., grading			
Cross St., paving			
Central Place, opening		12,278 83	
Calvert St., sewer, Cedar to Garden			
Courtland St., sewer			414 10
Commercial St., sewer district			314 17
Carroll St., paving			
Clifton St., sewer			
Cornell St., grading		74 01	
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
3,442 43	3,442 43	.....	.....	.....
7,034 86	7,040 86	.....	.....	6 00
16,980 89	16,368 84	.....	.....	2,920 62
3,429 63	1,877 25	.....	.....	394 21
212 87	51 50	.....	.....	.....
1,125 04	1,196 21	.....	.....	71 17
55,104 67	51,454 53	.....	.....	1,330 17
5 40	63 65	.....	.....	.....
20 23	20 23	.....	.....	.....
580 41	580 41	.....	.....	.....
1,554 89	1,628 09	.....	.....	73 20
1,593 41	1,593 41	.....	.....	.....
1,738 29	2,002 96	.....	.....	264 67
3,764 04	3,936 10	.....	.....	172 06
88 85	88 85	.....	.....	.....
743 90	743 90	.....	.....	.....
3,701 92	4,479 56	.....	.....	777 64
136 72	5,633 14	.....	.....	5,496 42
15 68	693 41	.....	.....	677 73
.....	311 21	.....	.....	311 21
1,856 39	3,109 76	.....	.....	1,253 37
.....	.....	.....	12,278 83	.....
388 78	531 21	.....	.....	142 43
488 20	74 10	.....	.....	.....
30 06	1 00	.....	.....	285 11
3,337 81	3,900 00	.....	.....	562 19
515 72	515 72	.....	.....	.....
.....	137 56	.....	.....	63 55
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Coleman Alley, damages			12 76
Croton St., sewer, Jackson to Mayflower		23 25	
Cedar Ave., sewer, Willson to E. Madison		5,850 03	
Clark Ave., damages			1,007 49
Croton St., sewer, Mayflower to Forest		14 63	
Croton St., sewer, Forest to Case			44 99
Crawford St., grading			
Conrad St., grading		53 81	
Cedar Ave., paving, Perry to Willson			
Canfield St., grading		89 11	
Canton St., damages			36 53
Case Ave., grading and paving, Payne to L. S. & M. S. R. R.	25,000 00		212 66
Cherry St., sewer, Perry to Liberal			
Cemetery			24,722 30
Crosswalk			
Clark Ave., sewer, Pearl to Scranton			
Canal	275,000 00		
Davies St., paving		1 13	
Dibble Ave., grading			104 71
Dodge St., grading, Lake to Superior			16 60
Dibble Ave., curbing	100 00		
Dodge St., grading, Superior to Euclid			
Doan St., grading, Euclid to Ansel			
Dredging			8,830 64
Dix St., sewer			
Doan St., sewer			75 00
Detroit St., widening and repaving			
Euclid Ave., repaving, Case to Willson			
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
12 76	.....	.....	.....	.....
.....	64 15	.....	.....	40 90
.....	5,800 47	.....	49 56	.....
1,457 50	488 19	.....	.....	38 18
.....	77 23	.....	.....	62 60
44 99	.....	.....	.....	.....
1,236 25	1,446 05	.....	.....	209 80
61 64	115 45	.....	.....	.....
37,703 69	44,376 00	.....	.....	6,672 31
.....	121 56	.....	.....	32 45
36 53	.....	.....	.....	.....
9,836 28	13,853 16	.....	.....	4,229 54
685 76	685 76	.....	.....	.....
25,423 01	27,407 17	.....	.....	26,706 46
6,853 70	8,988 43	.....	.....	2,134 73
637 59	637 59	.....	.....	.....
.....	.....	.....	.....	.....
4,465 30	4,483 50	.....	.....	17 07
114 19	21 89	.....	.....	12 41
62 44	92 44	.....	.....	46 60
1,045 92	1,072 75	.....	.....	26 83
1,128 69	1,532 46	.....	.....	403 77
265 56	671 33	.....	.....	405 77
33,543 97	29,807 64	.....	.....	5,094 31
293 90	370 00	.....	.....	76 10
75 00	.....	.....	.....	.....
.....	2,906 95	.....	.....	2,906 95
316 22	388 89	.....	.....	152 57
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Elton St., grading		65 58	79 90
Euclid Ave., paving, west of Erie St			72 91
Euclid Ave., repaving, Willson to Fairmount		175 34	
Euclid Ave., repaving, Fairmount to Limits		3,053 04	
E. River St., repaving		14 32	
Elevated Roadway	892,000 00		20,190 81
Emmit St., grading			
E. Madison Ave., sewer, Euclid to Woodland	17,250 00		25,030 56
E. Madison Ave., sewer, Lena to Lake Erie			2,042 06
Ellsworth St., opening			
First Ave., sewer, Garden to Quincy			
Fire Department			53,835 29
Fairmount St., macadamizing		20 00	
Funded Debt, Bond account	1,923,000 00		
Fairmount St., repaving, Euclid to Baldwin	6,000 00	148 51	
Fairmount St., planking		1,411 16	
Franklin Ave., paving, Waverly to Gordon			96 89
Florence St., sewer			12 77
Florence St., grading			5 37
Fairmount St., sewer			
Finney St., grading			
Fowler St., sewer			
General	75,000 00		67,840 67
Grand Ave., opening, E. Madison to E. line of B			
Grand Ave., opening		190 69	
Grand Ave., grading		5,095 01	
Granger St., grading			620 70
Genesee St., curbing			238 76
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
.....	74 65	.....	.....	8 47
12,300 00	12,227 09	.....	.....	.....
.....	.....	.....	175 34	.....
.....	1,249 81	.....	1,803 23	.....
.....	.....	.....	14 32	.....
23,701 32	8,515 98	.....	.....	5,005 47
125 28	166 53	.....	.....	41 25
29,829 09	4,926 44	.....	.....	127 91
59,797 63	58,453 40	.....	.....	697 83
4 00	1,092 23	.....	.....	1,088 23
1,870 77	1,870 77	.....	.....	.....
281,968 47	236,992 42	.....	.....	8,859 24
.....	.....	.....	20 00	.....
.....	.....	.....	.....	.....
6,041 28	6,323 52	.....	.....	133 73
54 47	607 59	.....	858 04	.....
232 49	135 60	.....	.....	.....
12 77	.....	.....	.....	.....
302 33	296 96	.....	.....	.....
268 45	315 00	.....	.....	46 55
15 01	268 70	.....	.....	253 69
471 36	1,027 09	.....	.....	555 73
203,420 35	198,003 00	.....	.....	62,423 32
1,532 77	1,857 50	.....	.....	324 73
.....	.....	.....	190 69	.....
.....	.....	.....	5,095 01	.....
546 18	.....	.....	.....	74 52
444 73	205 97	.....	.....	.....
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Genesee St., paving, Euclid to Hough			
Giddings Ave., sewer			
Gordon Ave., sewer			
Grant St., sewer			
Grove St., sewer			
Greenwood St., grading, Sibley to Garden	100 00		
Glendale Ave., sewer			
Garden St., repaving			
Harbor St., grading			
Halsey St., sewer			
Higgins St., grading			
Holmden Ave., sewer, Scranton to Jennings			
Holmden Ave., sewer, Scranton to Pearl			
Hough Ave., sewer, E. Madison to Holt			
Hunting St., grading			
House of Correction	20,000 00		8,808 88
Huron St., paving		405 38	
Herald St., grading		11,720 68	
Harvard St., grading		282 17	
Hayward St., grading and curbing			40 50
Hill St., paving		1,568 80	
Heisley St., grading			
Hospital			1,268 20
Hough Ave., sewer			63 15
Howlett St., grading			539 14
Hough Ave., sewer, Bolton to 500 ft. E. of Holt			
Infirmary			6,296 78
Interest			88,793 63
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
17 50	5,611 29	.....	.....	5,593 79
1,680 38	2,099 73	.....	.....	419 35
8,546 92	8,645 43	.....	.....	98 51
1,041 27	1,041 27	.....	.....	.....
443 40	443 40	.....	.....	.....
798 90	822 84	.....	.....	23 94
392 17	496 00	.....	.....	108 83
.....	25 08	.....	.....	25 08
1,605 07	1,958 09	.....	.....	353 02
.....	309 58	.....	.....	309 58
.....	346 90	.....	.....	346 90
1,866 77	3,207 26	.....	.....	1,340 49
428 10	428 10	.....	.....	.....
25 50	2,769 43	.....	.....	2,743 93
354 68	354 68	.....	.....	.....
135,731 49	129,970 70	.....	.....	3,048 09
.....	.....	.....	405 38	.....
.....	.....	.....	11,720 68	.....
.....	326 79	.....	.....	44 62
40 50	.....	.....	.....	.....
.....	840 00	.....	728 80	.....
310 12	310 12	.....	.....	.....
13,456 20	13,213 87	.....	.....	1,025 87
160 65	97 50	.....	.....	.....
596 33	65 71	.....	.....	8 52
3,431 60	3,431 60	.....	.....	.....
101,777 85	96,653 32	.....	.....	1,172 25
451,572 60	403,966 85	.....	.....	41,187 88
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Irving St., grading			374 83
Iona St., cindering		291 73	
Jennings Ave., grading and paving			36 19
Jessie St., sewer			421 43
Jessie St., grading			501 36
Kingsbury Bridge	245,000 00		9,374 44
Kinsman St., grading, &c	23,000 00	26 75	
Kirtland St., sewer	400 00		
Kennard St., paving, Prospect to Garden	2,400 00	1,889 17	
Keyes St., curbing			
King St., curbing			
Lorain St., sewer, Geib to 180 feet west			1,022 50
Lexington Ave., grading		235 02	
Lighting			18,866 27
Lake St., repaving			92 10
Lena Ave., sewer			157 30
Lake St., sewer, Case to Wasson			
Liberal St., sewer		41 03	
Liberty St., sewer			51 77
Lincoln Ave., grading			39 95
Lorain St., paving, Waverly to Ridge			3,851 05
Lodge Ave., grading			4 68
Lisbon St., grading			454 08
Lorain St., grading, Ridge to Geib			
Linwood St., sewer			
Linden St., curbing			
Lake St., grading, Erie to Alabama			
Lincoln Ave., sewer, Cedar to Quincy			
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
409 90	35 07	.....	.....	.....
.....	347 61	.....	.....	55 88
4,200 00	4,163 81	186 29	.....	.....
1,403 30	981 87	.....	.....	.....
510 68	9 32	.....	.....	.....
10,862 39	1,605 45	.....	.....	117 50
33,215 00	33,241 75	.....	.....	.....
.....	1,509 25	.....	.....	1,509 25
2,740 28	4,646 49	.....	.....	17 04
549 71	597 11	.....	.....	47 40
592 13	738 04	.....	.....	145 91
2,000 00	2,044 98	.....	.....	1,067 48
.....	303 07	.....	.....	68 05
164,574 66	153,524 85	.....	.....	7,816 46
92 10	.....	.....	.....	.....
189 30	32 00	.....	.....	.....
1,224 10	1,730 00	.....	.....	505 90
.....	14 03	.....	27 00	.....
51 77	.....	.....	.....	.....
200 77	160 75	.....	.....	.....
18,140 90	14,289 85	.....	.....	.....
31 18	26 50	.....	.....	.....
563 18	109 10	.....	.....	.....
590 15	738 93	.....	.....	148 78
1,288 95	1,302 95	.....	.....	14 00
758 81	838 20	.....	.....	79 39
3,709 23	3,966 16	.....	.....	256 93
35 36	1,646 70	.....	.....	1,611 34
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Market			265 73
Marquette St., damages		1,121 47	
Middle St., paving			69 97
Maple St., curbing, Scovill to Woodland		37 60	
Mayflower St., grading			92 15
McLean St., sewer			570 55
Merchant Ave., sewer, Willey to Auburn			
Merchant Ave., sewer, Willey to Cliff			
Muirson St., grading			55 53
Merchant Ave., curbing		294 18	
Morse Ave., grading			
Mayfield St., grading			
Margaret St., sewer			
Mayfield St., sewer			
Middle St., grading, damages	3,500 00		
Newark St., grading and culvert	200 00		
Norwood St., grading, Hough to Luther			430 79
Oakdale St., sewer, Cedar to Quincy			
Ontario St., repaving, Square to Eagle			
Orange St., sewer, Forest to Case			
Orange St., opening and extending			304 83
Oregon St., grading			48 41
Ohio St., paving, Erie to Ontario	5,000 00		251 57
Outhwaite St., sewer			580 87
Ontario St., repaving, Lake to St. Clair			
Park	30,000 00		3,089 16
Payne Ave., opening		9,423 09	
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
17,718 97	18,035 15	.....	.....	581 91
.....	.....	.....	1,121 47	.....
1,526 53	1,456 56	.....	.....	.....
.....	.....	.....	37 60	.....
92 15	.....	.....	.....	.....
637 43	66 88	.....	.....	.....
2,426 96	2,426 96	.....	.....	.....
734 08	2,435 52	.....	.....	1,701 44
55 53	.....	.....	.....	.....
.....	126 40	.....	167 78	.....
.....	490 68	.....	.....	490 68
515 87	549 59	.....	.....	33 72
.....	1,644 55	.....	.....	1,644 55
1,612 72	1,612 72	.....	.....	.....
3,473 80	4,450 98	.....	.....	977 18
881 21	1,001 75	.....	.....	120 54
1,467 90	1,037 11	.....	.....	.....
4,350 89	4,494 13	.....	.....	143 34
2,550 31	19,007 05	.....	.....	16,456 74
2,011 55	2,011 55	.....	.....	.....
304 83	.....	.....	.....	.....
48 41	.....	.....	.....	.....
4,400 00	4,829 57	.....	.....	681 14
731 66	150 79	.....	.....	.....
6,393 98	8,577 39	.....	.....	2,183 41
68,631 96	69,190 11	.....	.....	3,647 31
.....	999 38	.....	8,423 71	.....
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Payne Ave., grading, Perry to Sterling		76 38	
Police Department	90,000 00		40,973 90
Perkins Ave., grading, Case to Willson		735 75	
Pearl St., paving, old account		484 96	
Pelton Ave., sewer			127 43
Pittsburg St., paving	3,000 00		96 99
Pearl St., bridge over Walworth Run	55,000 00		4,333 49
Petrie St., bridge	5,000 00	2 53	
Perkins Ave., sewer			583 14
Petrie St., grading, Broadway to Fleet		40 84	
Prame St., grading			32 26
Payne Ave., grading, Sterling to Willson			1,256 85
Platt St., sewer			550 00
Perry St., repaving, Prospect to Cedar			278 63
Police Court			11,956 04
Perry St., repaving, Cedar to Woodland			
Perry St., repaving, Euclid to Prospect			
Petrie St., grading, Fleet to Bridge			
Portland St., grading			
Professor St., sewer			
Prospect St., paving, case to Willson			
Platt St., opening	350 00		
Prague St., grading	350 00		
Quincy St., paving and gutters			523 92
Quincy St., grading and curbing			204 44
Quimby St., sewer, Willson to Norwood			
Rawlings Ave., grading, E. Madison to C. & P.		60 46	
Root St., sewer			326 43
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
.....	116 14	.....	.....	39 76
323,126 53	288,778 86	.....	.....	6,626 23
.....	815 25	.....	.....	79 50
.....	.....	484 96	484 96	.....
.....	2,123 67	.....	.....	2,251 10
2,796 30	2,746 73	.....	.....	47 42
5 75	.....	.....	.....	4,327 74
.....	.....	.....	2 53	.....
771 50	211 13	.....	.....	22 67
.....	30 49	.....	10 35	.....
32 26	.....	.....	.....	.....
4,347 77	3,090 92	.....	.....	.....
550 00	.....	.....	.....	.....
278 68	.....	.....	.....	.....
30,292 57	22,901 04	.....	.....	4,564 51
14,828 72	16,719 04	.....	.....	1,890 32
4,346 31	4,352 12	.....	.....	5 81
.....	591 54	.....	.....	591 54
35 64	639 52	.....	.....	603 88
.....	2,020 36	.....	.....	2,020 36
.....	1,134 34	.....	.....	1,134 34
340 02	350 00	.....	.....	9 98
318 54	352 56	.....	.....	34 02
1,340 25	816 33	.....	.....	.....
300 03	90 59	.....	.....	.....
166 32	381 11	.....	.....	214 79
.....	142 35	.....	.....	81 89
409 56	83 13	.....	.....	.....
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Rawlings Ave., grading, Herald to E. Madison			96 90
Reservoir St., grading			73 44
Rossiter St., grading			
Ruggles St., grading			
Street Department	15,000 00		21,939 92
Sibley St., grading, Perry to Sterling			9 92
Sinking Fund for General Bonds			22,920 13
Street Intersections			23,579 96
Superior St., grading and paving, Perry to Willson		766 55	
Superior St., widening			29 15
St. Clair St., widening			47 15
Summit St., opening		15 00	
Smith Alley, sewer			375 31
Sewer District No. 1			2,118 37
" " " 2		628 55	
" " " 3			4,394 22
" " " 4			1,356 33
" " " 5	19,000 00		6 947 32
" " " 6			1,782 95
" " " 7	127,700 00		8,274 73
" " " 8			514 30
" " " 9			1,069 58
" " " 10			876 07
" " " 11	4,000 00		3,925 35
" " " 12			42 46
" " " 15	186,000 00		31,512 98
" " " 16	11,000 00		1,885 67
" " " 17	20,000 00		8,658 36
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
114 37	17 47	.....	.....	.....
262 46	189 02	.....	.....	.....
.....	112 66	.....	.....	112 66
234 46	234 46	.....	.....	.....
128,407 10	115,699 85	.....	.....	9,232 67
7 52	.....	.....	.....	2 40
318,500 00	350,320 98	.....	.....	54,741 11
18,486 26	28,459 52	.....	.....	33,553 22
.....	58 18	.....	708 37	.....
6,120 00	9,090 85	.....	.....	3,000 00
3,075 00	3,042 15	.....	.....	14 30
6,000 00	6,000 00	.....	15 00	.....
247 60	7 50	.....	.....	135 21
287 11	4 72	.....	.....	1,835 98
2,217 62	5,586 24	.....	.....	2,740 07
1,126 41	65 60	.....	.....	3,333 41
2,362 66	4,628 07	.....	.....	3,621 74
15,681 98	19,248 18	.....	.....	10,513 52
13 18	16 29	.....	.....	1,786 06
53,323 63	45,783 86	.....	.....	734 96
546 20	324 87	.....	.....	292 97
441 36	3,549 73	.....	.....	4,177 95
34 14	6 54	.....	.....	848 47
5,329 10	5,230 63	.....	.....	3,826 88
3,147 81	4,001 33	.....	.....	895 98
68,087 75	116,983 33	.....	.....	80,408 56
6,898 95	6,079 95	.....	.....	1,066 67
8,645 68	4,833 69	.....	.....	4,846 37
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Sewer District No. 18			3,516 93
Sterling Ave., grading, Prospect to Scovill			
Sheriff St., damages, Prospect to Huron			
Sterling Place, N. S. grading			
Sterling Place, S. S. grading			
St. Clair St., damages, Willson to E. Madison			
Slater Ave., sewer			
Sherbrook St., grading			
Shirley St., grading			
Sidewalk			
Sonora St., grading			
So. Bell Ave., sewer			
Sibley St., grading, Hayward to Case			348 93
Sheriff St., paving, Huron to Bolivar		190 75	
Sheriff St., paving, Prospect to Huron		841 43	
Sheriff St., repaving, Euclid to Prospect		306 68	
Sheriff St., damage by grading		219 33	
Streator Ave., grading			28 86
St. Clair St., sewer	10,000 00		93 05
St. Clair St., grading, E. Madison to Becker			
Seneca St., Bridge			980 64
Sterling Ave., curbing, Euclid to Hamilton			
Suspended Account		130,890 97	
Sykora St., grading			1 01
Sawtell Ave., sewer, Woodland to Pionic	4,900 00		
Scranton Ave., sewer			
Sanitary			14,373 57
St. Clair St., grading, Willson to E. Madison			45 31
St. Clair St., repaving, Erie to Willson	4,000 00	509 55	
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
454 11	4,689 30	.....	.....	7,752 12
2,031 14	2,090 29	.....	.....	59 15
165 52	165 52	.....	.....	.....
25 20	99 37	.....	.....	74 17
37 80	141 95	.....	.....	104 15
861 34	1,333 38	.....	.....	472 04
518 18	518 18	.....	.....	.....
467 43	467 99	.....	.....	56
207 22	220 58	.....	.....	13 36
1,3061 74	19,337 54	.....	.....	6,255 80
63 00	137 67	.....	.....	73 67
4,196 15	4,196 30	.....	.....	15
8,000 00	7,728 33	.....	.....	77 26
.....	342 25	.....	.....	151 50
.....	1,116 92	.....	.....	275 49
.....	397 75	.....	.....	91 07
22 16	408 95	.....	.....	167 46
98 32	69 47	.....	.....	.....
23,330 00	23,649 00	.....	.....	412 05
1,040 00	1,045 32	.....	.....	5 32
42,640 92	41,660 28	.....	.....	.....
2,886 87	3,545 02	.....	.....	658 14
.....	58,551 99	.....	72,338 98	.....
23 14	22 13	.....	.....	.....
4,006 93	4,900 00	.....	.....	893 07
.....	326 00	.....	.....	326 00
32,085 87	23,011 62	.....	.....	5,299 32
250 00	476 16	.....	.....	271 47
200 00	3,603 62	.....	.....	2,894 07
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
State St., grading		577 47	
Tax Refunding, old accounts			2,857 01
Tax Refunding, new accounts			9,349 44
Tilden Ave., grading			54 30
Townsend St., grading and curbing		25 16	
Trumbull St., opening			
Unclaimed Money			
Union St., cindering			
Vermont St., grading			
Vermont St., sewer			
Viaduct Bonds	2,138,000 00		
Vienna St., sewer			
Viaduct and Canal Sinking Fund			793,702 83
Vienna St., grading			7 14
Wiemer St., grading and culvert			
Watkins Ave., curbing			
Willcutt Ave., sewer			
Wallingford Court, sewer			
Willey St., sewer, Merchant to Pelton			
Worthington St., grading			
Willson Ave., opening, No. of St. Clair	11,000 00		116 76
Water Works	1,775,000 00		75,929 91
Wade Park Ave., sewer			807 49
Waverly Ave., sewer, Bridge to Lorain			650 45
Waverly Ave., curbing, Franklin to Bridge		30 95	
Willson Ave., grading, Julia to Maurice			1,324 92
Watkins Ave., grading			71 84
Forward			

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$.....	$.....	$.....	$ .....
.....	629 82	.....	.....	52 35
3,511 96	953 30	.....	.....	298 35
12,638 23	13,539 21	.....	.....	10,250 42
54 30	.....	.....	.....	.....
.....	96 27	.....	.....	71 11
19,432 92	20,065 97	.....	.....	633 05
11,994 34	12,325 09	.....	.....	330 75
65 47	8,443 54	.....	.....	8,378 07
292 00	1,300 25	.....	.....	1,008 25
632 71	632 71	.....	.....	.....
.....	.....	.....	.....	.....
.....	1,141 45	.....	.....	1,141 45
.....	53,021 97	.....	.....	846,724 80
7 14	.....	.....	.....	.....
1,421 48	1,651 33	.....	.....	229 85
243 82	370 98	.....	.....	127 16
848 58	848 58	.....	.....	.....
416 22	740 17	.....	.....	323 95
701 95	746 61	.....	.....	44 66
111 81	111 81	.....	.....	.....
275 00	158 24	.....	.....	.....
446,659 92	478,996 18	.....	.....	108,266 17
841 08	33 59	.....	.....	.....
920 00	275 82	.....	.....	6 27
.....	41 31	.....	.....	10 36
450 69	.....	.....	.....	874 23
84 12	12 28	.....	.....	.....
.....	.....	.....	.....	.....

TABLE NO. 4.—*Continued.*

	Amount of Bonds and Notes outstanding January 1, 1890.	Balance Debit January 1, 1889.	Balance Credit January 1, 1889.
Forward	$	$	$
Willson Ave., grading, Sawtell to Maurice			4,254 96
Waring St., sewer		135 60	
Willson Ave., damages	4,000 00		119 65
Walton Ave., sewer			545 05
Willett St., sewer			1,029 39
Willey and Tracy Sts., sewer			1,591 74
Whitehead St., grading			14 51
Willow St., Bridge			625 00
Woodland Ave., sewer, E. Madison to Woodland Hills			
Waring St., grading, St. Clair to Superior			
Wade Park Ave., sewer, E. Madison to Marcy			
Wellesley Place, sewer			
West Clinton St., sewer	500 00		
Total amount of overdrawn accounts			
City Treasury			
To cash on hand January 1, 1890			
Sinking Fund Commissioners, Dr.			
To General Sinking Fund			
To Viaduct and Canal Sinking Fund			
TOTALS	$3,159,250 00	$ 194,843 09	$ 1,487,449 64

TABLE NO. 4.—*Continued.*

Disbursements for the year 1889.	Receipts for the year 1889.	Amounts due from Street Railway Companies.	Amounts Overdrawn January 1, 1890.	Cash on hand January 1, 1890.
$	$	$	$	$ .....
.....	.....	.....	.....	4,254 96
302 13	482 08	.....	.....	44 35
200 00	100 00	.....	.....	19 65
568 17	23 12	.....	.....	.....
1,138 47	109 08	.....	.....	.....
2,512 39	920 65	.....	.....	.....
19 02	4 51	.....	.....	.....
8,047 48	7,428 76	.....	.....	6 28
.....	7,457 13	.....	.....	7,457 13
68 03	109 47	.....	.....	41 44
13,927 93	14,000 00	.....	.....	72 07
287 50	322 07	.....	.....	34 57
1,013 90	1,015 93	.....	.....	2 03
.....	.....	.....	118,061 11	.....
.....	.....	.....	.....	.....
.....	.....	.....	507,437 05	.....
.....	.....	.....	.....	.....
.....	.....	.....	54,741 11	.....
.....	.....	.....	846,145 55	.....
$ 3,824,524 89	$ 3,940,242 05	$ 9,086 39	$ 1,526,384 82	$ 1,526,384 82

TABLE NO. 4.—*Continued.*

RECAPITULATION NO. 1.

Total credit balances January 1, 1889	$ 1,487,449 64	
Total receipts for the year 1889	3,940,242 05	$ 5,427,691 69
Total debit balance January 1, 1889	194,843 09	
Total disbursements for the year 1889	3,824,524 89	4,019,367 98
Balance credit January 1, 1890		$ 1,408,323 71

TABLE NO. 4.—*Continued.*

RECAPITULATION NO. 1.—*Continued.*

Account with Sinking Fund Commissioners January 1, 1890		
To credit of General Sinking Fund	$	54,741 11
To credit of Viaduct and Canal Sinking Fund		846,145 55
Account with City Treasurer January 1, 1890		507,437 05
Balance credit January 1, 1890	$	1,408,323 71

TABLE NO. 4.—*Continued.*

RECAPITULATION NO. 2.

Total disbursements as shown by table No. 1		$ 3,703,634 21
Less the following:		
Amount paid to Sinking Fund Commissioners for investment	$ 152,376 79	152,376 79
		$ 3,551,257 42

TABLE No. 4.—*Continued.*

RECAPITULATION No. 2.—*Continued.*

Total disbursements as shown by Table No. 4		$ 3,824,524 89
Included in the above are the following transfers:		
From E. Madison Ave. sewer to Sewer District No. 15	$ 25,000 00	
From Lorain St. sewer to Sewer District No. 16	2,000 00	
From Market Fund to Park Fund	1,000 00	
From Sewer District No. 15 to E. Madison Ave. sewer	33,000 00	
From Sundry Funds to Suspended Account Fund	58,551 99	
From Sewer District No. 5 to Gordon Ave. sewer	3,100 00	
From Sewer District No. 15 to Wade Park Ave. sewer	7,000 00	
From Hospital Fund to Street Fund	9,000 00	
From Street Intersections to Sundry Funds	18,486 26	
From Sundry Street Improvement Funds to General Fund	8,297 60	
From General Sinking Fund to Park Fund	50,000 00	
Miscellaneous transfers	57,831 62	
Total transfers		273,267 47
Actual disbursements for the year 1889		$ 3,551,257 42

TABLE NO. 4.—*Continued.*

RECAPITULATION No. 3.

SHOWING THE AMOUNT OF THE GENERAL AND SPECIAL INDEBTEDNESS OF THE CITY OF CLEVELAND, JANUARY 1, 1890.

Amount of General bonded debt		.....
Amount of Special bonded debt		
Street Improvements	.....	
Street Damages	.....	
Sewers	.....	.....
Total bonded indebtedness	.....	.....
Temporary loans for special improvements:		
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. Note No. 85	$ 2,500 00	
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. " " 86	2,500 00	
E. Madison Ave., sewer, Euclid to Woodland " " 87	2,500 00	
" " " " " " " " " 88	2,500 00	
" " " " " " " " " 89	2,500 00	
" " " " " " " " " 90	3,000 00	
" " " " " " " " " 91	3,000 00	
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. " " 92	5,000 00	
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. " " 93	5,000 00	
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. " " 94	5,000 00	
Case Ave., grading and paving, Payne Ave. to L. S. & M. S. Ry. " " 95	5,000 00	
E. Madison Ave., sewer, Euclid to Woodland " " 97	3,750 00	
Kennard St., paving, Prospect to Garden " " 107	1,200 00	
" " " " " " " " 108	1,200 00	
Forward	.....	

TABLE NO. 4.—*Concluded.*

RECAPITULATION NO. 3.—*Continued.*

Forward			
Platt St., opening and extending	Note No. 109	$ 350 00	
Middle St., grading	" " 110	1,700 00	
" " "	" " 111	1,800 00	
Kirtland St., sewer	" " 112	200 00	
" " "	" " 113	200 00	
Sawtell Ave., sewer	" " 114	2,450 00	
" " "	" " 115	2,450 00	
Dibble Ave., curbing, Willson to Norwood	" " 117	100 00	
Prague St., grading, Gordon Ave. to Wine	" " 118	150 00	
Greenwood St., grading, Sibley to Garden	" " 119	100 00	
West Clinton St., sewer, Waverly to Gordon	" " 120	500 00	
Prague St., grading, Gordon Ave., to Wine	" " 121	200 00	
Street Department	" " 122	15,000 00	
Newark St., grading	" " 123	200 00	
Astor Ave., sewer	" " 124	500 00	$ 70,550 00
Overdrafts in special accounts			118,061 11
Total indebtedness			$ 8,277,311 11

TABLE NO. 5.

THE MUNICIPAL LEVY IN THE TAX OF 1889, UPON A VALUATION OF $95,949,135.00, TO MEET THE EXPENSES OF 1890.

FOR WHAT FUND.	Mills per Dollar.	Amount Levied.	Estimated Net Receipts.*
Bridges	8-20	$ 38,379 65	$ 37,739 02
Crosswalk	2-20	9,594 92	9,434 75
Dredging	2-20	9,591 92	9,434 75
Fire Department	2 9-20	235,075 38	231,151 54
General	12-20	57,569 48	56,608 54
House of Correction	3-20	14,392 37	14,152 13
Hospital	1-20	4,797 46	4,717 37
Infirmary	2-20	9,594 91	9,434 75
Interest	3 17-20	369,404 17	363,238 14
Lighting	1 10-20	143,923 70	141,521 38
Parks	5½-20	26,386 02	25,915 58
Police	1 17½-20	179,904 63	176,901 69
Sanitary	5-20	23,987 28	23,586 89
Sinking (General Bonds)	2 8-20	230,277 92	226,434 16
Sinking (Viaduct Bonds)	3-20	14,392 37	14,152 13
Street	18-20	86,354 22	84,912 81
Street Intersections	7-20	33,582 19	33,021 64
Total	15 10-20	$ 1,487,211 59	$ 1,462,387 27

*Auditor's estimate.

TABLE NO. 5.—*Continued.*

Valuation $95,949,135×$0.01545 *a*		$ 1,482,414 13
Additions		20,000 00
Delinquencies and Penalties of former years on Realty		40,000 00
Net collections of delinquent Personal Property Tax *b*		50,000 00
Total to be accounted for		$ 1,592,414 13
Deduct abatements on account of errors, &c	$ 25,000 00	
" County Treasurer's fees	7,297 21	
" Fireman's Pension Fund	12,308 01	
" cost of printing delinquent tax list	421 57	
" Delinquent Tax	85,000 00	
Total deductions		130,026 79
Total for distribution		$ 1,462,387 34

a Reduced from $0.0155 by County Auditor.

b Unusually high because of settlement of suits against National Banks.

TABLE No. 6.

STATEMENT SHOWING THE AMOUNT AND PROCEEDS OF SALE OF BONDS DURING THE YEAR 1889.

February 28, 1889, the following described bonds were taken by the Sinking Fund Commissioners at par and accrued interest:		
$8,000.—5% semi-annual bonds for Elevated Roadway	$ 8,100 00	$ 8,100 00
March 20, 1889, the following described bonds were sold to Lamprecht Bros. & Co., of Cleveland, O., for a premium of $3,041.45 and accrued interest:		
$139,000.—5% semi-annual bonds for funded debt	139,000 00	
6,000.—5% " " " " Superior St., widening, E. of Willson	6,000 00	
33,000.—5% " " " " Kinsman St., grading, &c.	33,000 00	
6,000.—5% " " " " Broadway, paving, Ohio to Ind.	6,000 00	
19,000.—5% " " " " " " Ind. to Union	19,000 00	
106,000.—5% " " " " " " Union to Miles	106,000 00	
1,000.—5% " " " " Pittsburg St., paving	1,000 00	
10,000.—5% " " " " St. Clair St., sewer	10,000 00	
Total premium and accrued interest	29,559 17	310,559 17

TABLE NO. 6.—*Continued.*

August 26, 1889, the following described bonds were sold to Lamprecht Bros. & Co., of Cleveland, O., for a premium of $3,151.00 and accrued interest:		
$ 46,000.—5% semi-annual bonds for funded debt	$ 46,000 00	
15,000.—5% " " " " Sewer District No. 7	15,000 00	
75,000.—5% " " " " " " " 15	75,000 00	
Total premium and accrued interest	$ 5,463 00	$ 141,463 00

TABLE NO. 6.—*Continued.*

SHOWING PROCEEDS OF SALE OF BONDS IN 1889, AND HOW PLACED.

The proceeds of the sale of bonds in 1889, $460,122.17, has been placed to the credit of the following accounts:

Broadway, paving, Ohio to Independence	$ 8,389 40
Broadway, paving, Union to Miles	118,879 47
Broadway, paving, Independence to Union	20,233 10
Euclid avenue, paving, west of Erie street	12,000 00
Elevated Roadway	8,000 00
Interest Fund	22,702 30
Jennings avenue, grading and paving	4,000 00
Kinsman street, grading, paving, &c	33,000 00
Pittsburg street, paving	1,064 90
Sinking Fund, for General Bonds	100,000 00
St. Clair street, sewer	23,649 00

TABLE NO. 6.—*Continued.*

Superior street, widening, east of Willson	$ 9,000 00	
St. Clair street, widening, east of Willson	3,000 00	
Summit street, opening	3,000 00	
Sewer District No. 7	15,534 00	
Sewer District No. 15	77,670 00	
Total proceeds of sale of bonds		$ 460,122 17

TABLE No. 7.

STATEMENT SHOWING THE AMOUNT OF GENERAL BONDS OF THE CITY OF

Class of Bonds.	Rate per cent.	Date of Original Issue.	Am't of Original Issue.	Months when Principal and Interest are due.	Record Number and Page.	1890.	1891.	1892.	1893.	1894.
Water Works	7	1872-1873	$600,000	May & Nov.	3-42			$400,000	$200,000	
"	6	1875-1876	200,000	Mar. & Sept.	3-65					
"	3 65/100	1882	100,000	"	3-74					
"	4	1883	100,000	Jan. & July.	2-40					
"	6	1883-1884	500,000	Mar. & Sept.	2-44					
"	6	1885	275,000	"	2-62					
Funded Debt	7	1872	200,000	Feb. & Aug.	3-101		200,000			
"	7	1872	230,000	Mar. & Sept.	3-109			230,000		
"	7	1873	200,000	Feb. & Aug.	3-118				200,000	
"	7	1874	200,000	April & Oct.	3-137					200,000
"	6	1878	178,000	June & Dec.	3-155	178,000				
"	5	1880	308,000	Mar. & Sept.	1-112					
"	5	1884	26,000	April & Oct.	1-132					
"	4	1885	17,000	"	1-143				17,000	
"	4	1886	117,000	Mar. & Sept.	1-148					
"	5	1887	177,000	April & Oct.	1-157					
"	5	1887	88,000	"	1-154					
"	5	1888	29,000	"	2-74					
"	5	1889	39,000	"	2-78					
"	5	1889	100,000	May & Nov.	2-75					
"	4	1889	46,000	April & Oct.	2-80					
Monumental Park	7	1872	30,000	"	1-1			30,000		
Canal	7	1874	150,000	Jan. & July	1-19					150,00
"	7	1876	114,000	Mar. & Sept.	1-50					
"	6	1879	11,000	May & Nov.	1-74					
Viaduct	7	1873	81,000	Feb. & Aug.	1-3				81,000	
"	7	1873	67,000	June & Dec.	1-15				67,000	
"	7	1874	65,000	May & Nov.	1-25					65,0
"	7	1875	205,000	April & Oct.	1-28					205,0
"	6	1876	300,000	"	1-38					
"	6	1877	500,000	Feb. & Aug.	1-54					
Total										

TABLE NO. 7.—*Continued.*

CLEVELAND OUTSTANDING DEC. 31, 1889, AND MATURING AS FOLLOWS:

1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1907.	Total.
											$ 600,000
20,000											200,000
							100,000				100,000
								100,000			100,000
		500,000									500,000
					275,000						275,000
											200,000
											230,000
											200,000
											200,000
											178,000
	276,000										276,000
		26,000									26,000
											17,000
			117,000								117,000
				177,000							177,000
				88,000							88,000
					29,000						29,000
						39,000					39,000
						100,000					100,000
							46,000				46,000
											30,000
											150,000
20,000	26,000										114,000
			11,000								11,000
											81,000
											67,000
											65,000
											205,000
20,000											300,000
	500,000										500,000

TABLE NO. 7.—*Continued.*

Class of Bonds.	Rate per cent.	Date of Original Issue.	Am't of Original Issue.	Months when Principal and Interest are due.	Record Number and Page.	1890.	1891.	1892.	1893.	1894.
Forward										
Viaduct	5	1877	$125,000	June & Dec.	1-75					
"	6	1877	125,000	"	1-80					
"	6	1877	100,000	May & Nov.	1-85					
"	6	1878	100,000	Mar. & Sept.	1-89					
"	6	1878	300,000	June & Dec.	1-93					
"	6	1878	170,000	May & Nov.	1-104					
Kingsbury Bridge	5	1884	65,000	April & Oct.	2-100					
"	4½	1885	60,000	"	2-103					
"	4	1885	60,000	"	2-105					
"	4	1886	30,000	May & Nov.	2-106					
"	4	1887	10,000	Mar. & Sept.	2-107					
"	5	1887	20,000	April & Oct.	2-108					
General Bonds	4½	1885	200,000	June & Dec.	1-135	50,000	90,000			
"	4	1886	25,000	April & Oct.	1-147					
Elevated Roadway	4	1886	175,000	Jan. & July	2-120					
"	4	1886	60,000	May & Nov.	2-126					
"	4	1886	100,000	April & Oct.	2-128					
"	4	1887	100,000	July & Jan.	2-132					
"	4	1887	75,000	Dec. & June	2-135					
"	5	1887	150,000	"	2-138					
"	5	1888	100,000	"	2-143					
"	5	1888	114,000	"	2-147					
"	5	1888	10,000	June & Dec.	2-150					
"	5	1889	8,000	"	2-150					
Pearl St. Bridge	4	1886	10,000	April & Oct.	1-144					
"	4	1887	25,000	"	1-144					
"	5	1887	20,000	"	1-145					
Petrie St. Bridge	4	1887	5,000	Oct. & April	1-153					5,000
Total						228,000	290,000	660,000	565,000	625,000

TABLE NO. 7.—*Continued.*

1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1907.	Total.
										$125,000	$ 125,000
		125,000									125,000
		100,000									100,000
			100,000								100,000
			300,000								300,000
			170,000								170,000
				65,000							65,000
				60,000							60,000
					60,000						60,000
					30,000						30,000
					10,000						10,000
					20,000						20,000
20,000											160,000
25,000											25,000
						175,000					175,000
						60,000					60,000
							100,000				100,000
								100,000			100,000
								75,000			75 000
								150,000			150,000
									100,000		100,000
									114,000		114,000
									10,000		10,000
									8,000		8,000
							10,000				10,000
							20,000	5,000			25,000
								20,000			20,000
											5,000
53,000	802,000	751,000	698,000	390,000	424,000	374,000	276,000	450,000	232,000	125,000	7,253,000

Amount of General Bonds outstanding December 31, 1888 ..... $7,648,500
Amount of General Bonds outstanding December 31, 1889 7,523,000

Decrease during the year 1889 ..... $ 125,500

TABLE NO. 8.

STATEMENT SHOWING AMOUNT OF STREET IMPROVEMENT BONDS OUTSTANDING DEC. 31, 1889, AND MATURING AS FOLLOWS:

	Rate pr. ct.	Months when principal and interest are due.	Record No. and page.	1890.	1891	1892.	Total.
Atlantic St. grading, etc.	5	Apr. & Oct.	7-226	$ 1,000	.....	.....	$ 1,000
Broadway paving, Ohio to Independence	5	"	.....	.....	.....	6,000	6,000
" " Independence to Union	5	"	.....	.....	.....	19,000	19,000
" " Union to Miles	5	"	.....	.....	.....	106,000	106,000
Fairmount St. paving	4	"	7-222	6,000	.....	.....	6,000
Kinsman St. paving, etc	5	"	7-226	23,000	.....	.....	23,000
Ohio St. paving, Erie to Ontario	5	"	7-224	4,000	.....	.....	4,000
" " " "	5	"	7-227	1,000	.....	.....	1,000
Pittsburgh St. paving, Liberal to Jackson	4	"	7-222	2,000	.....	.....	2,000
" " " "	5	"	.....	.....	.....	1,000	1,000
St. Clair St. repaving, Erie to Willson	5	"	7-227	4,000	.....	.....	4,000
St. Clair St. sewer	5	"	.....	.....	.....	10,000	10,000
	...	.....	.....	41,000	.....	142,000	183,000

Amount of Street Improvement Bonds outstanding December 31, 1888.....$244,000

Amount of Street Improvement Bonds outstanding December 31, 1889..... 183,000

Decrease during the year 1889.....$ 61,000

TABLE No. 9.

STATEMENT SHOWING AMOUNT OF STREET DAMAGE BONDS OUTSTANDING DECEMBER 31, 1889, AND MATURING AS FOLLOWS:

	Rate per cent.	Months when principal and interest are due.	Record No. and page.	1890.	Total.
Willson avenue opening, north of St. Clair	5	April and Oct.	4-186	$11,000	$11,000
Willson avenue grading, Sawtell to Broadway	5	April and Oct.	4-186	4,000	4,000
	.....	.....	.....	$15,000	$15,000

Amount of Street Damage Bonds outstanding December 31, 1888.....$27,000

Amount of Street Damage Bonds outstanding December 31, 1889..... 15,000

Decrease during the year 1889.....$12,000

TABLE NO. 10.

STATEMENT SHOWING AMOUNT OF SEWER BONDS OUTSTANDING DECEMBER 31, 1889, AND MATURING AS FOLLOWS:

	Rate per cent.	Months when principal and interest are due.	Record No. and page.	1890.	1891.
Sewer District No. 5	5	Oct. and Apr.	5-129	$	$ 6,000
" " 5	5	Oct. and Apr.	5-129		
" " 7	7	Mar. and Sept.	5-179	22,000	
" " 7	7	September.	5-183		
" " 7	5	Apr. and Oct.	5-187		3,000
" " 7	4	Apr. and Oct.	5-188		14,000
" " 7	5	Apr. and Oct.	5-186		
" " 7	5	Apr. and Oct.	5-191		
" " 7	5	Apr. and Oct.	5-191		
" " 7	4	Apr. and Oct.	5-192		
" " 11	4	Oct. and Apr.	6-62	4,000	
" " 15	4	Apr. and Oct.	6-117	9,000	
" " 15	5	Apr. and Oct.	6-140		12,000
" " 15	5	Oct. and Apr.	6-140		
" " 15	5	Oct. and Apr.	6-142		
" " 15	4	Apr. and Oct.	6-143		
" " 16	5	Apr. and Oct.	6-121	3,000	4,000
" " 17	5	Oct. and Apr.	6-126	2,000	2,000
Total				$ 40,000	$ 41,000

TABLE NO. 10.—*Continued.*

1892.	1893.	1894.	1895.	1896.	1897.	Total.
$.....	$.....	$.....	$.....	$.....	$.....	$ 6,000
.....	.....	13,000	.....	.....	.....	13,000
.....	.....	.....	.....	.....	.....	22,000
10,700	.....	.....	.....	.....	.....	10,700
.....	.....	.....	.....	.....	.....	3,000
5,000	5,000	.....	.....	.....	.....	24,000
.....	11,000	.....	.....	.....	.....	11,000
.....	.....	22,000	.....	.....	.....	22,000
.....	.....	.....	.....	20,000	.....	20,000
.....	.....	.....	15,000	.....	.....	15,000
.....	.....	.....	.....	.....	.....	4,000
.....	.....	.....	.....	.....	.....	9,000
.....	.....	.....	.....	.....	.....	12,000
.....	.....	.....	.....	20,000	45,000	65,000
.....	.....	25,000	.....	.....	.....	25,000
.....	.....	.....	75,000	.....	.....	75,000
4,000	.....	.....	.....	.....	.....	11,000
4,000	4,000	4,000	4,000	.....	.....	20,000
$ 23,700	$ 20,000	$ 64,000	$ 94,000	$ 40,000	$ 45,000	$ 367,700

Amount of Sewer Bonds outstanding December 31, 1889.. .....$367,700

Amount of Sewer Bonds outstanding December 31, 1888..... 356,300

Increase during the year 1889..... $11,400

TABLE NO. 11.

RECAPITULATION OF BONDED INDEBTEDNESS OF THE CITY OF CLEVELAND, DECEMBER 31, 1889, MATURING AS FOLLOWS:

	1890.	1891.	1892.	1893.	1894.	1895.	1896.
Water Works	$.....	$.....	$400,000	$200,000	$.....	$200,000	$.....
Funded Debt	178,000	200,000	230,000	217,000	200,000	.....	276,000
Monumental Park	.....	.....	30,000	.....	.....	.....	.....
Canal	.....	.....	.....	.....	150,000	88,000	26,000
Viaduct	.....	.....	.....	148,000	270,000	300,000	500,000
Kingsbury Bridge	.....	.....	.....	.....	.....	.....	.....
General Bonds	50,000	90,000	.....	.....	.....	45,000	.....
Elevated Roadway	.....	.....	.....	.....	.....	.....	.....
Pearl St. Bridge	.....	.....	.....	.....	.....	.....	.....
Petrie St. Bridge	.....	.....	.....	.....	5,000	.....	.....
Total General Bonds	228,000	290,000	660,000	565,000	625,000	633,000	802,000
Street Improv. Bonds	41,000	.....	142,000	.....	.....	.....	.....
Street Damage Bonds	15,000	.....	.....	.....	.....	.....	.....
Sewer Bonds	40,000	41,000	23,700	20,000	64,000	94,000	40,000
Total	$324,000	$331,000	$825,700	$585,000	$689,000	$727,000	$ 842,000

TABLE NO. 11.—*Continued.*

1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1907.	Total.
$500,000	$.....	$.....	$275,000	$.....	$100 000	$100,000	$.....	$.....	$ 1,775,000
26,000	117,000	265 000	29,000	139,000	46,000	.....	.....	.....	1,923,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	30,000
.....	11,000	.....	.....	.....	.....	.....	.....	.....	275,000
225,000	570,000	.....	.....	.....	.....	.....	.....	125,000	2,138,000
.....	.....	125,000	120,000	.....	.....	.....	.....	.....	245,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	185,000
.....	.....	.....	.....	235,000	100,000	325,000	232,000	.....	892,000
.....	.....	.....	.....	.....	30,000	25,000	.....	.....	55,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	5,000
751,000	698,000	390,000	424,000	374,000	276,000	450,000	232,000	125,000	7,523,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	183,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	15,000
45,000	.....	.....	.....	.....	.....	.....	.....	.....	367,700
$796,000	$698,000	$390,000	$424,000	$374,000	$276,000	$450,000	$232,000	$125,000	$8,098,700

Amount of General and Special bonded indebtedness December 31, 1888....$8,275,000

Amount of General and Special bonded indebtedness December 31, 1889.... 8,098,700

Decrease during the year 1889.....$ 177,300

TABLE NO. 12.

SHOWING COMPARISON OF THE CITY DEBT JANUARY 1, 1889, AND JANUARY 1, 1890.

JANUARY 1, 1889.		
General bonds outstanding	$7,648,500 00	
Special bonds outstanding	627,300 00	
Overdrafts	194,843 09	
Temporary loans	74,000 00	
Total debt		$8,544,643 09
JANUARY 1, 1890.		
General bonds outstanding	$7,523,000 00	
Special bonds outstanding	565,700 00	
Overdrafts	118,061 11	
Temporary loans	70,550 00	
Total debt		8,277,311 11
Net decrease of city debt of all kinds during the year 1889		$ 267,331 98

TABLE NO. 13.

PRINCIPAL AND INTEREST OF BONDS MATURING IN EACH MONTH OF 1890.

	Bonds.	Interest.	Total.
January	$	$ 12,750 00	$ 12,750 00
February		31,835 00	31,835 00
March		56,325 00	56,325 00
April	14,000 00	55,585 00	69,585 00
May		36,005 00	36,005 00
June		38,210 00	38,210 00
July		12,750 00	12,750 00
August		31,835 00	31,835 00
September	22,000 00	57,074 00	79,074 00
October	60,000 00	55,285 00	115,285 00
November		36,005 00	36,005 00
December	228,000 00	38,210 00	266,210 00
Total	$324,000 00	$461,869 00	$785,869 00

TABLE NO. 14.

COMPARATIVE SHOWING OF THE FOLLOWING ITEMS FOR 19 YEARS.

	Year.	Rate of Levy in Mills.	Valuation.	Amount Levied for the General Funds.	Disbursements for Ordinary Expenses of City Government.	Total Disbursements for General Funds Including Interest.
1	1871.....	12 10-20	$ 57,841,746 00	$ 723,021 83	$ 537,996 83	$ 774,837 90
2	1872*.....	15 10-20	59,728,871 00	925,797 49	646,882 53	829,328 17
3	1873.....	15 13-20	60,144,682 00	1,082,114 27	892,555 84	1,542,676 91
4	1874.....	18 5-20	73,210,144 00	1,336,085 13	856,443 97	1,189,417 95
5	1875.....	18 15-20	73,305,277 00	1,374,473 94	887,078 26	1.505,997 63
6	1876.....	18 15-20	73,562,237 00	1,379,291 93	930,748 12	1,683,631 36
7	1877.....	17 17-20	71,296,122 00	1.272,635 74	888,488 29	1,464,329 13
8	1878.....	15 7-20	70,139,639 00	1,076,643 46	783,392 35	1,679,003 61
9	1879.....	15 1-20	70,548,104 00	1,061,748 96	732,200 44	1,343,770 81
10	1880.	15 15-20	73,647,194 00	1,159,943 31	784,017 62	1,369,671 17
11	1881.....	14 1-20	79,586,156 00	1,118,185 49	811,651 08	1,377,121 12
12	1882	14 3-20	82,684,212 00	1,169,981 51	845,306 19	1,466,438 53
13	1883.....	15 15-20	84,490,060 00	1,330,718 45	909,301 80	1,605,567 72
14	1884.....	14 4-20	85,978,500 00	1,220,887 67	1,060,282 32	2,345,316 06
15	1885.....	14 7-20	88,285,845 00	1,266,901 88	1,127,577 30	2,306,586 66
16	1886.....	13 3-20	91,084,406 00	1,197,759 93	1,133,344 08	2,004,286 39
17	1887.....	16 3-10	93,628,410 00	1,512,098 82	1,282,764 24	2,564,733 34
18	1888.....	16 3-20	95,922,585 00	1,555,106 14	1,378,480 26	2,494,603 35
19	1889.....	15 10-20	95,949,135 00	1,462,387 27	1,557,377 55	2,477,213 02

*Until April 1, 1872, the fiscal year ended on April 1, but during the year 1872, the law was

TABLE NO. 14.—*Continued.*

Interest on General Bonded Debt.	Total Par Value of all Sinking Funds December 31.	Total Amount of Bonds and City Notes Outstanding December 31.	Total Amount of Certified Estimates Outstanding December 31.	Amount of Overdrawn Balances December 31.	Total Indebtedness December 31.	
$ 166,035 17	$ 1,501,107 36	$ 3,684,300 00	$ 176,439 80	$ 269,766 31	$ 4,130,506 11	1
134,615 64	1,725,662 98	4,735,300 00	138,646 69	676,701 79	5,550,648 48	2
257,716 24	1,796,391 52	5,093,600 00	177,794 86	744,698 50	6,016,093 36	3
300,386 86	1,833,641 17	7,270,500 00	251,130 38	420,201 62	7,941,832 00	4
331,027 10	1,925,204 62	8,097,900 00	236,423 06	623,379 32	8,957,702 38	5
359,403 45	2,021,902 83	8,604,900 00	162,608 57	675,063 99	9,442,572 56	6
392,323 73	2,113,386 65	9,054,164 58	80,326 99	224,339 69	9,358,831 26	7
417,237 24	1,831,033 77	9,284,100 00	17,798 99	237,937 85	9,539,836 84	8
419,055 25	2,268,272 62	8,591,100 00	16,615 04	143,880 06	8,751,595 10	9
402,082 50	1,862,871 12	7,948,583 34	2,283 34	116,072 12	8,066,938 80	10
395,605 83	1,657,877 71	7,099,116 68	2,283 34	242,019 09	7,343,419 11	11
376,581 84	1,550,403 49	6,756,473 30	2,283 34	361,456 92	7,120,213 56	12
391,583 75	1,553,604 96	6,880,300 00	.....	171,061 62	7,051,371 62	13
388,193 50	1,644,182 34	7,273,800 00	.....	40,197 55	7,313,997 55	14
413,261 41	1,727,905 47	7,629,250 00	.....	144,179 30	7,774,179 30	15
429,500 00	1,733,724 35	8,035,330 00	.....	160,512 51	8,195,842 51	16
444,410 42	1,802,294 34	8,232,270 00	.....	151,973 54	8,384,243 54	17
467,060 00	1,887,496 50	8,349,800 00	.....	194,843 09	8,544,643 09	18
451,572 60	1,955,494 03	8,159,350 00	.....	118,061 11	8,277,311 11	19

changed, making the fiscal year end December 31, hence the year 1872 contains but nine months.

TABLE NO. 15.

ESTIMATES OF THE LEVIES IN THE TAX OF 1889 UPON THE SEWER DISTRICTS TO MEET THE EXPENSES OF THE YEAR 1890.

DISTRICT No. 1.		
MAIN SEWER IN CASE AVENUE:		
Tax valuation $7,675,495 00. No debt		
Cash on hand		$ 2,119 59
Add uncollected tax		2 81
Total		2,122 40
Deduct for repairs in 1889		500 00
Cash on hand January 1, 1890		1,622 40
Deduct for repairs in 1890		500 00
Cash on hand January 1, 1891		$ 1,122 40
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 2.		
MAIN SEWER IN PERRY STREET:		
Tax valuation $11,617,049 00. No debt		
Cash on hand		$ 2,077 66
Add uncollected tax		2,887 58
Total		4,965 24
Deduct for suspended account	$ 1,161 31	
Deduct for repairs in 1889	1,500 00	2,661 31
Cash on hand January 1, 1890		2,303 93
Deduct for repairs in 1890		1,500 00
Cash on hand January 1, 1891		$ 803 93
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 3.		
MAIN SEWERS IN SENECA, ONTARIO, ERIE AND MUIRSON STREETS:		
Tax valuation $22,924,784 00. No debt		
Cash on hand		$ 4,363 12
Add uncollected tax		9 55
Total		4,372 67
Deduct for repairs in 1889		2,000 00
Cash on hand January 1, 1890		2,372 67
Deduct for repairs in 1890		1,000 00
Cash on hand January 1, 1891		$ 1,372 67
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT NO. 4.		
MAIN SEWERS IN BRIDGE AND DETROIT STREETS:		
Tax valuation, $4,111,675 00. No debt		
Cash on hand		$ 3,700 14
Add uncollected tax		2,056 65
Total		5,756 79
Deduct for suspended account	$ 1,743 07	
Deduct for repairs in 1889	1,000 00	2,743 07
Cash on hand January 1, 1890		3,013 72
Deduct for repairs in 1890		300 00
Cash on hand January 1, 1891		$ 2,713 72
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 5.		
MAIN SEWERS IN OAKLAND AND SWISS STREETS:		
Tax valuation, $4,452,976 00. Debt, $19,000 00.		
Cash on hand		$ 11,093 20
Add uncollected tax		6,690 65
Total		17,783 85
Deduct for suspended account	$ 4,241 18	
Deduct for interest due in 1889	950 00	
Deduct for repairs in 1889	1,000 00	
Deduct for cost of Gordon avenue sewer	3,000 00	9,191 18
Cash on hand January 1, 1890		8,592 67
Deduct for interest due in 1890	950 00	
Deduct for repairs in 1890	500 00	1,450 00
Cash on hand January 1, 1891		$ 7,142 67
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 6.		
MAIN SEWER IN BROADWAY:		
Tax valuation, $453,384 00. No debt.		
Cash on hand		$ 1,799 24
Add uncollected tax		1 92
Total		1,801 16
Deduct for repairs in 1889		50 00
Cash on hand January 1, 1890		1,751 16
Deduct for repairs in 1890		200 00
Cash on hand January 1, 1891		$ 1,551 16
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 7.		
MAIN SEWER IN WILLSON AVE:		
Tax valuation $8,019,065 00: Debt $122,300 00		
Cash on hand		$ 18,263 28
Add uncollected tax		12,136 46
Total		30,399 74
Deduct for suspended account	$ 6,298 78	
Deduct for bonds due in 1889	29,600 00	
Deduct for interest due in 1889	8,346 00	44,244 78
Deficit January 1, 1890		13,845 04
Bonds due in 1890	22,000 00	
Interest due in 1890	6,049 00	28,049 00
Deficit January 1, 1891		$ 41,894 04
Levy of 3 mills—$24,057 19.		

TABLE No. 15.—*Continued.*

DISTRICT No. 8.		
MAIN SEWER IN MULBERRY ST.		
Tax valuation $361,700 00. No debt		
Cash on hand		$ 697 47
Add uncollected tax		177 17
Total		874 64
Deduct for suspended account	$ 431 31	
Deduct for repairs in 1889	200 00	631 31
Cash on hand January 1, 1890		243 33
Deduct for repairs in 1890		100 00
Cash on hand January 1, 1891		$ 143 33
No levy.		

TABLE No. 15.—*Continued.*

DISTRICT No. 9.		
MAIN SEWERS IN MAIN AND FRONT STREETS:		
Tax valuation $10,556,504 00. No debt		
Cash on hand		$ 3,502 19
Add uncollected tax		2,575 64
Total		6,077 83
Deduct for repairs in 1889		2,000 00
Cash on hand January 1, 1890		4,077 83
Deduct for repairs in 1890		2,000 00
Cash on hand January 1, 1891		$ 2,077 83
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT NO. 10.		
MAIN SEWERS IN CUYAHOGA AND UNIVERSITY STS:		
Tax valuation $516,530 00. No debt		
Cash on hand		$ 876 61
Add uncollected tax		2 46
Total		879 07
Deduct for repairs in 1889		200 00
Cash on hand January 1, 1890		679 07
Deduct for repairs in 1890	$ 200 00	
Deduct for proposed sewer in Pelton avenue	600 00	
Deduct for proposed sewer in University street	1,000 00	1,800 00
Deficit January 1, 1891		$ 1,120 93
Levy 3 mills—$1,549 59.		

TABLE NO. 15.—*Continued.*

DISTRICT NO. 11.		
MAIN SEWERS IN SCRANTON AND WILLEY STS:		
Tax valuation $1,737,495 00. Debt $8,000 00		
Cash on hand		$ 3,534 16
Add uncollected tax		2,590 29
Total		6,124 45
Deduct for bonds due in 1889	$ 4,000 00	
Deduct for interest due in 1889	320 00	
Deduct for repairs in 1889	200 00	4,520 00
Cash on hand January 1, 1890		1,604 45
Deduct for bonds due in 1890	4,000 00	
Deduct for interest due in 1890	160 00	
Deduct for repairs in 1890	300 00	4,460 00
Deficit January 1, 1891		$ 2,855 55
Levy 2 2-10 mills—$3,822 49.		

TABLE No. 15.—*Continued.*

DISTRICT No. 12.		
MAIN SEWER IN PEARL STREET:		
Tax valuation $1,364,400 00. No debt		
Cash on hand		$ 2,048 34
Add uncollected tax		2,046 85
Total		4,095 15
Deduct for suspended account	$ 3,050 82	
Deduct for repairs in 1889	300 00	3,350 82
Cash on hand January 1, 1890		744 37
Deduct for repairs in 1890		300 00
Cash on hand January 1, 1891		$ 444 37
No levy.		

TABLE NO. 15.—*Continued.*

DISTRICT NO. 15.		
MAIN SEWERS IN E. MADISON AND EUCLID AVENUES:		
Tax valuation $4,635,986 00. Debt, $126,000 00. Bonds authorized, $103,000 00		
Cash on hand		$ 54,907 41
Add uncollected tax		7,066 14
Total		61,973 55
Deduct bonds due in 1889	$ 15,000 00	
Deduct interest due in 1889	6,140 00	
Deduct cost of East Madison avenue sewer	53,000 00	74,140 00
Deficit January 1, 1890		12,166 45
Bonds due in 1890	9,000 00	
Interest due in 1890	9,580 00	
Cost of East Madison avenue sewer	53,000 00	71,580 00
Deficit January 1, 1891		$ 83,746 45
Levy 3 mills—$13,907 94.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 16.		
MAIN SEWERS IN CLARK AVE. AND LORAIN STS:		
Tax valuation $1,274,435 00. Debt $17,000 00		
Cash on hand		$ 1,697 61
Add uncollected tax		1,923 78
Add from Lorain street sewer tax		3,067 48
Total		6,688 87
Deduct bonds due in 1889	$ 6,000 00	
Deduct interest due in 1889	850 00	6,850 00
Deficit January 1, 1890		161 13
Bonds due in 1890	3,000 00	
Interest due in 1890	550 00	3,550 00
Deficit January 1, 1891		$ 3,611 13
Levy 3 mills—$3,823 30.		

TABLE NO. 15.—*Continued.*

DISTRICT NO. 17.		
MAIN SEWERS IN BROADWAY AND PETRIE STREETS:		
Tax valuation $1,600,390 00. Debt $22,000 00		
Cash on hand		$ 9,634 32
Add uncollected tax		2,434 17
Total		12,068 49
Deduct for suspended account	$ 5,501 59	
Deduct bonds due in 1889	2,000 00	
Deduct interest due in 1889	1,100 00	
Deduct for repairs in 1889	500 00	9,101 59
Cash on hand January 1, 1890		2,966 90
Deduct bonds due in 1890	2,000 00	
Deduct interest due in 1890	1,000 00	
Deduct for repairs in 1890	200 00	3,200 00
Deficit January 1, 1891		$ 233 10
Levy 1 mill—$1,600 39.		

TABLE NO. 15.—*Continued.*

DISTRICT No. 18.		
PROPOSED SEWER IN BROADWAY:		
Tax valuation $1,385,216 00. No debt		
Cash on hand		$ 5,991 02
Add uncollected tax		2,116 86
Total		8,107 88
Deduct estimated cost of sewer in Broadway		13,000 00
Deficit January 1, 1890-1891		$ 4,892 12
Levy 3 mills—$4,155 64.		

TABLE NO. 15.—*Concluded.*

COMMERCIAL STREET DISTRICT.		
MAIN SEWERS IN CANAL AND COMMERCIAL STS:		
Tax valuation $226,405 00. No debt		
Cash on hand		$ 315 17
Deduct for repairs in 1889		200 00
Cash on hand January 1, 1890		115 17
Deduct for repairs in 1890		200 00
Deficit January 1, 1891		$ 84 83
Levy 2 mills—$452 80.		

TABLE NO. 16.

LIST OF SPECIAL ASSESSMENTS LEVIED IN TAX OF 1889.

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
476	570	Ashland St	Sewer	Garden St	Quincy St	1	1	$ 1,413 84
326	278	Astor Ave	"	Dunham Ave	Giddings Ave	2	2	1,594 39
485	565	Asylum St	Grading and curbing	St. Clair St	Superior St	1	1	923 62
460	976	Aaron St	Sidewalk			1	1	101 40
460	976	Anson St	"			1	1	117 00
610	970	Baden Ave	Curbing	Garden St	Quincy St	1	1	839 16
533	764	Birch St	Sewer	Bridge St	Lorain St	1	1	1,438 28
437	897	Bolton Ave	Curbing	Cedar Ave	Quincy St	Add	1	223 40
623	966	Bolton Ave	Paving	Euclid Ave	Hough Ave	1	1	11,835 15
259	108	Broadway	M. Sewer	Union St	Miles Ave	5	3	6,503 74
414	898	Brooker Ave	Curbing	Cedar Ave	Quincy St	Add	1	237 87
582	880	Brookfield St	Sewer	Euclid Ave	Hough Ave	1	1	1,778 85
581	881	Brookfield St	Paving	Euclid Ave	Hough Ave	3	1	3,775 52
583	883	Brunswick St	Sewer	St. Clair St	Superior St	1	1	1,597 79
592	951	Brunswick St	Curbing	St. Clair St	Superior St	1	1	1,132 19

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement. From	Limits of Improvement. To	Number of Instalments.	Instalments of 1889.	Amount of Assessment.
523	709	Burton St.	Grading	Clark Ave.	Newark St.	1	1	$ 515 16
635	992	Burwell St.	Sewer	Case Ave.	Forest St.	1	1	1,572 08
460	976	Beckwith St.	Sidewalk			1	1	500 28
460	976	Beyerle St.	"			1	1	824 26
460	976	Bolton Ave.	"			1	1	446 94
460	1,005	Bolton Ave.	"			1	1	842 53
460	976	Bright St.	"			1	1	12 87
460	976	Brunswick St.	"			1	1	71 50
460	976	Burton St.	"			1	1	23 40
502	662	Calvert St.	Sewer	Cedar Ave.	Garden St.	1	1	580 04
524	715	Calvert St.	Grade, &c.	Cedar Ave.	Garden St.	1	1	667 80
261	278	Case Ave.	Grade and Paving	Payne Ave.	L. S. & M. S. R. R.	5	3	7,620 32
379	362	Cedar Ave.	M. Sewer	E. Madison Ave.	Doan St.	3	2	5,601 28
448	576	Cedar Ave.	"	Doan St.	Fairmount St.	3	2	646 80
563	806	Cedar Ave.	Repaving	Willson Ave.	E. Madison Ave.	1	1	25,933 13
473	558	Chapel St.	Grading and Curbing	Scovill Ave.	Woodland Ave.	1	1	683 53
584	885	Cherry St.	Sewer	Perry St.	Cherry Alley	1	1	281 88

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1899.	Amount of Assessment.
				From	To			
556	803	Church St.	Curbing	State St.	Duane St.	1	1	$ 560 42
593	922	Church St.	Sewer	State St.	Duane St.	1	1	566 50
611	948	Cottage St.	Grade and Culverts	Ætna St.	Marble St.	2	1	862 26
574	788	Crawford St.	Curbing	Wade Park Ave.	Hough Ave.	1	1	2,479 50
594	904	Crawford St.	Sewer	Hough Ave.	Genesee Ave.	1	1	2,479 45
357	896	Croton St.	Curbing	Jackson St.	Case Ave.	Add.	1	226 89
530	734	Czar St.	Grading	Broadway	Colorado St.	1	1	247 14
432	793	Cuyahoga River	Dredging			1	1	14,708 06
460	976	Chatham St.	Sidewalk			1	1	86 97
460	976	Caleb Court	"			1	1	62 40
460	976	Corwin Ave.	"			1	1	280 04
460	976	Cumberland St.	"			1	1	289 25
557	810	Dare St.	Sewer	Franklin Ave.	Bridge St.	1	1	2,061 66
624	923	Detroit St.	Repaving	Kentucky St.	210 ft. w. of Waverly	1	1	8,503 44
417	894	Dibble Ave.	Curbing	Willson Ave.	Norwood Ave.	Add.	1	190 90
534	766	Dix St.	Sewer	E. Madison Ave.	W. End	1	1	455 40
323	921	Doan St.	Curbing	Euclid Ave.	Ansel Ave.	Add.	1	504 65

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
460	976	Davenport St	Sidewalk			1	1	$ 128 70
460	976	Dibble Ave	"			1	1	740 89
460	976	Dunham Ave	"			1	1	345 22
268	69	East Madison Ave	M. Sewer	Euclid Ave	Woodland Ave	4	3	4,397 62
575	807	East Madison Ave	Repaving	Hough Ave	Euclid Ave	3	1	4,294 74
630	949	East Madison Ave	Grade and Culverts	Woodland Ave	Kinsman St	2	1	5,714 24
576	857	East Prospect St	Sewer	Schiely Court	175 ft. W. of Morse Ave.	1	1	9,159 03
586	887	East Prospect St	"	East Madison	197 ft. W. of Watkins	1	1	640 05
585	889	East Prospect St	"	Lincoln Ave	Bolton Ave	1	1	1,284 71
503	661	Engel St	"	Broadway	Tod St	1	1	3,082 26
480	567	Ensign St	Grade and Curb	Kinsman St	Willson Ave	1	1	671 80
478	554	Euclid Ave	Repaving	Erie St	Mon. Square	1	1	10,312 52
479	555	Euclid Ave	"	Erie St	Perry St	1	1	24,561 50
460	976	East Prospect St	Sidewalk					1,345 89
460	976	Edwards St	"					364 97
460	976	Elm St	"					175 50

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
16	100	Fairmount St.	Grade and Repave	Euclid Ave.	E. line of Baldwin	4	4	$ 5,062 64
558	813	Fairmount St.	Sewer	Euclid Ave.	Fairmount Place	1	1	406 37
525	713	First Ave.	Grading	Quincy St.	Woodland Ave.	1	1	1,246 55
595	907	First Ave.	Sewer	Woodland Ave.	Outhwaite St.	1	1	513 90
596	908	First Ave.	"	Outhwaite St.	Scovill Ave.	1	1	493 80
526	714	Florence St.	Grade and Curb	Quincy St.	Scovill Ave.	1	1	433 42
629	959	Fowler St.	Sewer	Broadway	Sawtell Ave.	1	1	1,151 95
460	976	Fairmount St.	Sidewalk			1	1	78 00
527	700	Garden St.	Grading	Brownell St.	Wilson Ave.	2	1	21,762 36
578	794	Gary St.	Curbing	E. Madison St.	Ingleside	1	1	629 86
327	205	Genesee Ave.	Paving	Euclid Ave.	Hough Ave.	2	2	5,757 49
597	992	Genesee Ave.	Sewer	Wade Park Ave.	Hough Ave.	3	1	1,708 65
531	718	Giddings Ave.	Grade and Curb	Hough Ave.	Euclid Ave.	1	1	1,327 59
535	774	Giddings Ave.	Sewer	Quincy St.	Woodland Ave.	1	1	3,535 50
536	773	Giddings Ave.	"	Lexington St.	Euclid Ave.	1	1	5,261 67
598	928	Giddings Ave.	Curbing	Hough Ave.	Beecher St.	1	1	1,480 24
612	973	Gilbert St.	Grading	Clark Ave.	Storer Ave.	1	1	692 65

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1899.	Amount of Assessment.
				From	To			
626	968	Glass St.	Grading	Lyon St.	Gold St.	1	1	$ 292 50
568	836	Glendale Ave.	Sewer	Cedar Ave.	South End	1	1	606 71
599	938	Green St.	"	Monroe St.	Lorain St.	2	1	1,033 62
537	765	Greenwood St.	"	Cedar Ave.	Sibley St.	1	1	155 04
359	914	Greenwood St.	Curbing	Sibley St.	Garden St	Add.	1	189 13
460	976	Garden St.	Sidewalk			1	1	1,039 18
460	976	Giddings Ave.	"			1	1	35 10
421	468	Halsey St.	Sewer	Cedar Ave.	500 ft. South	3	2	329 43
475	557	Hamilton St.	Grade and Curb	Muirson St.	Dodge St.	1	1	1,091 27
559	790	Hanover St.	Curbing	Washington St.	Detroit St.	1	1	356 40
504	585	Harbor St.	Sewer	Ravine St.	Lorain St.	3	1	1,590 88
428	899	Harbor St.	Curbing	Franklin Ave.	Lorain St.	Add.	1	175 55
560	814	Harkness Ave.	Sewer	Hough Ave.	Euclid Ave.	1	1	4,418 90
95 521	822	Hill St.	Paving	Harrison St.	Commercial St.	Add.	1	838 11
486	563	Hollister St.	Grading	Broadway	Northerly End	1	1	287 72
538	722	Holt St.	Curbing	Crawford St.	Hough Ave.	1	1	1,394 18
613	974	Home St.	"	E. Madison Ave.	W. End	1	1	557 02

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement. From	Limits of Improvement. To	Number of Instalments.	Instalments of 1889.	Amount of Assessment.
505	637	Hough St	Grade and Curb	Holt St	490 ft. Easterly	1	1	$ 770 00
614	971	Hunter St	Grading	Broadway	912 ft. North	1	1	456 20
239	821	Huron St	Paving	Ontario St	Sheriff St	1	1	500 51
460	976	Hayward St	Sidewalk			1	1	140 00
460	976	Herald St	"			1	1	210 60
460	976	Hill St	"			1	1	167 18
460	976	Hough Ave	"			1	1	130 87
460	976	Independence St	Sidewalk			1	1	1,523 36
539	761	Jennings Ave	Sewer	Clark Ave	Brainard St	1	1	3,222 79
616	925	Jennings Ave	Paving	Abbey St. Extension	Brainard St	1	1	35,373 95
615	972	Jessie St	Curbing	Cedar Ave	Garden St	1	1	1,208 52
622	815	John St	Sewer	Randall St	Woodbine St	1	1	512 14
143	958	Kennard St	Paving	Prospect St	Garden St	Add.	1	1,529 15
360	926	Keyes St	Curbing	E. Madison Ave	Edwards St	Add.	1	152 19
391	993	Kirtland St	Sewer	Lake St	Lake Erie	Add.	1	491 68
460	976	Kane St	Sidewalk			1	1	27 30

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement. From	Limits of Improvement. To	Number of Instalments.	Instalments of 1899.	Amount of Assessment.
460	976	King St	Sidewalk			1	1	$ 62 40
460	976	Kirtland St	"			1	1	138 12
459	910	Lake St	Curbing	Erie St	Alabama St	Add.	1	374 97
618	918	Lamont St	Sewer	Republic St	Hough Ave	2	1	2,148 55
481	562	Laurel St	Grade and Curb	Scovill Ave	Woodland Ave	1	1	912 48
600	913	Lexington Ave	Curbing	Dunham Ave	Giddings Ave	1	1	1,232 32
281	825	Liberal St	Sewer	Broadway	Cherry St	Add.	1	41 87
506	584	Liberty St	"	Ravine St	Lorain St	3	1	938 30
601	940	Liberty St	"	Bridge St	Lorain St	1	1	1,091 52
423	470	Lincoln Ave	"	Cedar Ave	Quincy St	3	2	1,854 69
424	923	Linden St	Curbing	Scovill Ave	Woodland Ave	Add.	1	115 29
477	571	Lodge Ave	Sewer	Garden St	Quincy St	1	1	1,429 28
602	919	Logan Ave	"	Lamont St	Euclid Ave	2	1	1,885 81
519	704	Longwood St	Grade and Curb	Scovill Ave	Woodland Ave	1	1	881 81
513	692	Lorain St	Grading	Ridge St	Geib St	1	1	874 19
561	811	Luther St	Sewer	Willson Ave	Norwood Ave	1	1	3,376 55
460	976	Lexington Ave	Sidewalk			1	1	684 06

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1899.	Amount of Assessment.
				From	To			
460	976	Logan Ave	Sidewalk			1	1	$ 23 40
460	976	Lyman St	"			1	1	180 08
474	583	Maple St	Grade and Curb	Garden St	Scovill Ave	1	1	766 02
187	817	Maple St	Curbing	Scovill Ave	Woodland Ave	Add.	1	92 94
603	905	Marcey St	Sewer	Wade Park Ave	Hough Ave	3	1	1,822 96
520	705	McCurdy St	Grading	Woodland Ave	Holton Ave	1	1	394 29
587	878	McLean St	Sewer	Chatham St	Lorain St	1	1	866 40
482	566	Mentor Ave	Grade and Curb	Scranton Ave	Jennings Ave	1	1	1,232 44
397	343	Merchant Ave	Sewer	Willey St	Cliff St	2	2	1,772 55
580	927	Middle St	Damages	Prospect St	Huron St	1	1	3,821 99
588	890	Minerva St	Grade and Curb	Hough Ave	N. End	1	1	943 82
619	965	Morse Ave	Paving	Euclid Ave	E. Prospect St	1	1	4,130 43
554	782	Muirson St	"	St. Clair St	Euclid Ave	2	1	7,197 30
460	976	Marquette St	Sidewalk			1	1	135 20
562	804	Newark St	Grade and Culverts	Rhodes Ave	Selden Ave	1	1	1,196 29
589	886	Newell St	Sewer	Mentor Ave	Castle Ave	1	1	381 59

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
542	756	Noyes St.	Grading	Branch Ave.	Clark Ave.	1	1	$ 1,084 20
456	487	Oakdale St.	Sewer	Quincy St.	Cedar Ave.	3	2	1,656 03
244	143 517	Ohio St.	Paving	Ontario St.	Erie St.	4	4	4,585 56
507	665	Oregon St.	Sewer	300 ft. east of Dodge St.	N. Perry St.	1	1	542 82
512	630	Oregon St.	Grading	Muirson St.	Perry St.	1	1	2,143 45
620	909	Outhwaite St.	Sewer	Florence St.	Willson Ave.	1	1	1,567 41
604	943	Outhwaite St.	"	Florence St.	300 feet easterly	1	1	285 00
627	967	Outhwaite St.	Curbing	Kennard St.	Willson Ave.	1	1	919 28
460	976	Oakdale St.	Sidewalk			1	1	433 68
460	976	Outhwaite St.	"			1	1	105 30
543	769	Payne Ave.	Paving	Superior St.	Muirson St.	2	1	426 92
294	272	Pelton Ave.	M. Sewer	Cliff St.	Starkweather	3	2	2,175 79
292 522	812	Petrie St.	Damages	Broadway	450 ft. S. of Clay	1	1	1,035 24
129	52	Pittsburgh St.	Grade and Paving	Liberal St.	E. line of Jackson	3	3	1,627 32
590	891	Pine St.	Sewer	Sterling Ave.	Greenwood St	1	1	480 09
544	744	Platt St.	Curbing	E. Madison Ave.	Lincoln Ave.	1	1	788 34

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
365	742	Platt St	Opening	Keyes & Edwards sub. div.	Edwards St	1	1	$ 1,376 24
376	924	Portland St	Curbing	Kennard St	Willson Ave	Add.	1	179 19
490	366	Prague St	Grading	Gordon Ave	Wine St	1	1	403 80
605	900	Princeton St	Grade and Curb	Linwood St	Hough St	1	1	865 92
458	483	Professor St	Sewer	Pelton St	Starkweather	3	2	2,057 39
483	632	Prospect St	Repaving	Case Ave	Willson Ave	1	1	12,235 88
491	631	Prospect St	"	Erie St	Perry St	1	1	22,724 65
460	976	Percival St	Sidewalk			1	1	48 75
460	976	Pollock St	"			1	1	65 65
489	633	Quimby St	Grading	Willson Ave	Norwood	1	1	397 97
460	976	Quincy St	Sidewalk			1	1	1,564 55
508	588	Ravine St	M. Sewer	Harbor St	Dare St	3	1	1,536 97
606	920	Republic St	Sewer	Lamont St	Euclid Ave	2	1	1,784 06
509	589	Root St	"	Lorain St	Ravine St	3	1	1,286 72
545	758	Root St	Curbing	Bridge St	Lorain St	1	1	595 69
460	976	Randolph St	Sidewalk			1	1	136 50

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement. From	Limits of Improvement. To	Number of Instalments.	Instalments of 1889.	Amount of Assessment.
460	976	Rawlings Ave	Sidewalk			1	1	$ 82 55
641		Scranton Ave	Sewer	Willey St	Paraffin St	1	1	326 00
548	747	Sawtell Ave	"	Woodland Ave	Picnic St	1	1	5,159 72
564	802	Sawtell Ave	Paving	Woodland Ave	Julia St	1	1	15,514 16
621	975	Selden Ave	Grade and Culverts	Clark Ave	Storer Ave	1	1	1,389 06
511	663	Seymour St	Sewer	Pearl St	Scranton Ave	1	1	642 79
370	988	Sherbrook St	Curbing	Superior St	N. End	Add.	1	120 44
528	712	Slater Ave	Grade and Curb	Quincy St	Woodland Ave	1	1	1,259 81
399	674	South Bell Ave	Sewer	Cedar Ave	1650 ft. South	2	1	2,202 09
382	994	Stanton St	Opening	E. terminus	E. Madison Ave	benefits	1	2,085 07
529	721	Stanton St	Grade and Curb	Giddings Ave	E. Madison Ave	1	1	1,297 50
546	762	Starr Ave	Sewer	E. Madison Ave	Seedle Ave	1	1	2,506 00
547	743	Stark Ave	Graveling and Curb	Fairmount St	Cedar Ave	1	1	870 19
553	791	State St	Curbing	Washington St	Detroit St	1	1	384 84
377	423	St. Clair St	Grade and Curb	E. Madison Ave	Becker St	2	2	1,582 51
484	546	Sterling Ave	" " "	Scovill Ave	Woodland Ave	1	1	721 21

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement.		Number of Instalments.	Instalments of 1889.	Amount of Assessment.
				From	To			
607	942	Superior St	Sewer	E. Madison Ave	Ansel Ave	1	1	17,357 61
632	990	Swiss St	"	Clark Ave	Train St	1	1	1,537 69
633	991	Swiss St	"	Walworth Run	C., C., C. & I. R. R.	1	1	816 78
460	976	Sibley St	Sidewalks			1	1	270 07
460	976	South Bell Ave	"			1	1	283 65
460	976	St. Clair St	"			1	1	337 74
460	976	Sykora St	"			1	1	332 28
460	976	Swiss St	"			1	1	262 47
514	695	Tamworth St	Grade and Culvert	Heisley St	Fleet St	1	1	1,261 11
510	586	Taylor St	Sewer	Ravine St	Lorain St	3	1	1,409 14
579	848	Taylor St	Grade and Curb	Franklin Ave	23d Ave	1	1	805 89
608	903	Tilden Ave	Sewer	Crawford St	Euclid Ave	1	1	1,817 67
591	888	Townsend St	"	E. Madison Ave	Edwards St	1	1	574 80
460	976	Tod St	Sidewalk			1	1	1,312 73
609	941	University St	Sewer	Cliff St	Starkweather Ave	1	1	8,637 73
422	469	Vienna St	Sewer	Cedar Ave	1620 ft. South	3	2	1,212 71

TABLE NO. 16.—*Continued.*

G. R.	Ord.	Name of Street.	Kind of Improvement.	Limits of Improvement. From	Limits of Improvement. To	Number of Instalments.	Instalments of 1889.	Amount of Assessment.
460	976	Victor St.	Sidewalk			1	1	58 50
460	976	Vienna St.	"			1	1	343 20
518	481	Wade Park Ave.	Curbing	Norwood St.	E. Madison Ave.	1	1	1,523 20
549	763	Wade Park Ave.	M. Sewer	E. Madison Ave.	Marcey St.	1	1	8,005 27
431	944	Watkins Ave.	Curbing	E. Prospect St.	Cedar Ave.	Add.	1	138 82
634	1.007	West Clinton St.	Sewer	Waverly Ave.	Gordon Ave.	1	1	1,836 73
637		Wellsley Place	"	Beacon St.	Sawtell Ave.	1	1	322 07
570	834	Willson Ave.	Paving	St. Clair St.	Euclid Ave.	2	1	53,152 21
439	539	Woodland Ave.	Sewer	E. Madison Ave	Woodland Hills	2	2	8,348 31
552	783	Woodland Ave.	Repaving	Willson Ave.	E. Madison Ave.	1	1	39,700 04
460	976	Wade Park Ave.	Sidewalk			1	1	392 93
460	976	Warner Road	"			1	1	46 80
460	976	Walnut St.	"			1	1	92 82
460	976	Weckerling St.	"			1	1	99 66
460	976	Washington St.	"			1	1	564 72
460	976	Waverly Ave.	"			1	1	147 71
		Total						$ 593,593 66

TABLE NO. 17.

AMOUNT OF TAXES LEVIED IN EACH MAIN SEWER DISTRICT.

Number of District.	Value of Real Property.	Value of Personal Property.	Value of Mixed Property. (R. R.)	Total Valuation.	Rate of Levy.	Total Amount of Tax.
7	$ 6,518,860	$ 1,391,060	$ 83,055	$ 7,992,975	3 Mills....	$ 23,978,925
10	488,225	38,775	2,750	529,750	3 "	1,589,250
11	1,471,355	297,050	23,440	1,791,845	2 2-10 "	3,942,059
15	3,752,635	839,835	58,910	4,651,380	3 "	13,954,140
16	1,131,190	78,365	61,305	1,270,860	3 "	3,812,580
17	1,315,185	306,195	9,090	1,630,470	1 "	1,630,470
18	1,118,355	195,145	85,085	1,398,585	3 "	4,195,755
Com.	204,870	7,905	.....	212,775	2 "	425,550
	$ 16,000,675	$ 3,154,330	$ 323,635	$ 19,478,640	20 2-10 Mills	$ 53,528,729

TABLE NO. 18.

RESULTS IN 1889.

Net increase of ordinary expenses paid from the general funds except interest and General Sinking Funds, compared with those of 1888	$ 195,188 87
Interest on general debt paid in 1889	451,572 60
Principal of general debt paid in 1889	318,500 00
Interest on special debt paid in 1889	33,741 00
Principal of special debt paid in 1889	293,600 00
Increase of taxable valuation of 1889 over that of 1888	26,550 00
Net increase in total par value of all Sinking Funds	67,997 53
Total par value of all Sinking Funds, January 1, 1890	1,955,494 03
Net decrease of city debt of all kinds in 1889	267,331 98
Sums paid in 1889 for permanent improvements. See tables No. 1 and 2:	
From Infirmary Fund	23,062 47
From Fire Department	12,413 00
From Police Department	8,428 00
From Police Court	13,619 75
From Water Works	356,129 46
Repaving streets	49,825 42
Total	$ 463,478 10

Sinking Fund Commissioners' Report.

REPORT OF THE

Sinking Fund Commissioners.

To the Honorable City Council of Cleveland:

GENTLEMEN:—The Sinking Fund Commissioners, in compliance with law, submit their report for the year 1889:

SINKING FUND OF 1862.

TWENTY-EIGHTH ANNUAL REPORT.

The gross income for the year is		$ 59,435 13	
The expense for the year is		650 00	
Leaving the net income			$ 58,785 13
	CASH RECEIPTS.		
Jan. 1, 1889	Cash on hand as per report		$ 5,527 54
" 14, "	Sale 200 shares stock L. S. & M. S. R'y Co.	20,874 60	
Feb. 18, "	Dividend on $180,000 stock L. S. & M. S R'y @ 3%	5,400 00	
Mar. 1, "	Semi annual interest on $637,000 Cleveland City 6% bonds.	19,110 00	
April 1, "	" " $110,000 " " 5% "	2,750 00	
" 1, "	" " $25,000 " " 4% "	500 00	
July 1, "	" " $94,000 C. & A. B. Co. 6% "	2,820 00	
" 1, "	Interest on deposits	65 11	
Forward		$51,519 71	

	CASH RECEIPTS.—*Continued.*		
	Forward	$51,519 71	
Aug. 15, 1889	Dividend on $180,000 stock L. S. & M. S. R'y, @ 2%	3,600 00	
Sept. 1, "	Semi-annual interest on $637,000 Cleveland City 6% bonds.	19,110 00	
" 26, "	Received of City Treasurer, amount refunded	92 10	
Oct. 1, "	Semi-annual interest on $110,000 Cleveland City 5% bonds.	2,750 00	
" 1, "	" " $25,000 " " 4% "	500 00	
Dec. 17, "	Received of City Treasurer, amount refunded	345 03	
Jan. 1, 1890	Semi-annual interest on $94,000 C. & A. B. Co. 6% bonds.	2,820 00	
" 1, "	Interest on deposits	10 02	$ 80,746 86
	Total		$ 86,274 40

SINKING FUND.—*Continued.*

	CASH DISBURSEMENTS.		
Jan. 7, 1889	Pay't into City Treas'y upon certificate of City Auditor.	$ 2,128 00	
" 28, "	" " " "	13,500 00	
" 28, "	" " " "	1,847 73	
" 28, "	" " " "	2,872 00	
Feb. 25, "	" " " "	8,326 80	
Mar. 22, "	" " " "	3,202 57	
Apr. 22, "	" " " "	329 77	
" 22, "	" " " "	10,000 00	
May 18, "	" " " "	1,700 00	
" 18, "	" " " "	175 00	
" 28, "	" " " "	1,815 59	
June 6, "	" " " "	500 00	
" 17, "	" " " "	194 48	
" 17, "	" " " "	500 00	
" 17, "	" " " "	4,274 38	
July 19, "	" " " "	4,854 96	
Aug. 7, "	" " " "	100 00	
" 19, "	" " " "	3,000 00	
Sept. 13, "	" " " "	2,802 96	
" 23, "	" " " "	7,686 96	
Oct. 21, "	" " " "	1,072 00	
Nov. 18, "	" " " "	5,435 20	
Dec. 17, "	" " " "	698 63	
	Expenses for the year.....	650 00	
			$ 77,667 03
Jan. 1, 1890	Cash on deposit.....		8,607 37
	Total.....		$ 86,274 40

The following items constitute the assets of the Sinking Fund of 1862, January 1, 1890:

1,800 shares capital stock L. S. & M. S. Railway Co., par value	$ 180,00 00
Cleveland City six per cent. bonds, par value	637,000 00
Cleveland City five per cent. bonds, par value	110,000 00
Cleveland City four per cent. bonds, par value	25,000 00
Chicago & Atchison Bridge Co. six per cent. bonds, par value	94,000 00
Cash on deposit	8,607 37
Total assets	$1,054,607 37

The payments into the City Treasury for the year, upon the Certificates of the City Auditor, are for the following purposes:

City's proportion of repaving streets	$ 24,981 75
Bridge purposes	47,035 28
Fire Department purposes	5,000 00
Total payments	$ 77,017 03

The liabilities of the City that have been paid from the Sinking Fund of 1862, since Dec. 31, 1878, are:

Cleveland City Water Works bonds	$ 925,000 00
Other Cleveland City bonds and debts	487,963 75
City's proportion of the cost of repaving streets	597,260 83
Bridge purposes	85,812 42
Fire Department purposes	34,000 00
Total payments	$2,130,037 00

VIADUCT SINKING FUND.

ELEVENTH ANNUAL REPORT.

The income for the year is.....$48,772 11

	CASH RECEIPTS.		
Jan. 1, 1889	Cash on hand as per report	$.....	$ 6,548 83
Mar. 1, "	Semi-annual int. on $138,000 Cleveland City 6 pr ct. bonds.	4,140 00	
Apr. 1, "	" " $20,000 " 5 " "	500 00	
" 1, "	Dividend on $100,000 stock K., A. & G. R. R. @ 3%	3,000 00	
" 15, "	Semi-annual int. on $1,500 Cleveland City 5 per ct. bonds.	37 50	
" 23, "	Received of City Treasurer	2,106 37	
June 1, "	Semi-annual int. on $25,000 C. & I. R. R. 7 per ct. bonds.	875 00	
" 1, "	" " $75,000 Cleveland City 4 pr ct. bonds.	1,500 00	
" 1, "	" " $104,000 " 5 " "	2,600 00	
" 15, "	" " $331,000 Valley R'y 7 per ct. bonds	11,585 00	
July 1, "	Interest on deposits	69 99	
Sept. 1, "	Semi-annual int. on $138,000 Cleveland City 6 pr ct. bonds.	4,140 00	
" 26, "	Received of City Treasurer	2,218 24	
Oct. 1, "	Semi-annual int. on $20,000 Cleveland City 5 pr ct. bonds.	500 00	
" 1, "	Dividend on $100,000 stock K., A. & G. R. R. @ 3 per ct.	3,000 00	
" 15, "	Cleveland City 5 per ct. bonds matured	1,500 00	
" 15, "	Semi-annual int. on $1,500 Cleveland City 5 pr ct. bonds.	37 50	
Dec. 1, "	" " $75,000 " 4 " "	1,500 00	
" 1, "	" " $104,000 " 5 " "	2,600 00	
" 1, "	" " $25,000 C. & Ind. R. R. 7 pr ct. bonds.	875 00	
" 16, "	" " $331,000 Valley R'y 7 per ct. bonds	11,585 00	
Jan. 1, 1890	Interest on deposits	327 12	54,696 72
	Total	.....	$ 61,245 55

	CASH DISBURSEMENTS.	
Feb. 28, 1889	For $8,000 Cleveland City 5 per cent. bonds at par and accrued interest	$ 8,100 00
Jan. 1, 1890	Cash on deposit	53,145 55
	Total	$ 61,245 55

The following items constitute the Viaduct Sinking Fund January 1, 1890:

Cleveland City six per cent. bonds, par value	$ 138,000 00
Cleveland City five per cent. bonds, par value	124,000 00
Cleveland City four per cent. bonds, par value	75,000 00
Cincinnati & Indiana Railroad seven per cent. bonds, par value	25,000 00
Valley Railway seven per cent. bonds, par value	331,000 00
1,000 shares capital stock Kalamazoo, Alligan & Grand Rapids R. R., par value	100,000 00
Cash on deposit	53,145 55
Total assets	$ 846,145 55

GENERAL SINKING FUND.

ELEVENTH ANNUAL REPORT.

The income for the year is.....$768 80

	CASH RECEIPTS.		
Jan. 1, 1889	Cash on hand as per report	$....	$ 22,920 13
July 1, "	Interest on deposits	229 20	
Sept. 26, "	Received of City Treasurer	148,052 18	
Oct. 28, "	Interest on certificates of deposit	93 35	
Nov. 27, "	" " "	238 46	
Jan. 1, 1890	" deposits	207 79	148,820 98
	Total		$ 171,741 11
	CASH DISBURSEMENTS.		
Oct. 26, 1889	Pay't into City Treasury upon certificate of City Auditor.	$ 50,000 00	
Nov. 25, "	" " " " " "	67,000 00	
" 29, "	Loan to Cleveland City	15,000 00	$ 132,000 00
Jan. 1, 1890	Cash on deposit		$ 39,741 11
	Total		$ 171,741 11

The assets of the General Sinking Fund consist of

Cash on deposit	$ 39,741 11	
Bills receivable	15,000 00	$ 54,741 11

Respectfully submitted,

H. B. PAYNE,
W. BINGHAM,
CHARLES HICKOX,
J. H. WADE,
S. T. EVERETT,
Sinking Fund Commissioners.

CLEVELAND, O., January 2d, 1890.

I hereby certify that the account contained in the foregoing statement, between the City of Cleveland and the Sinking Fund Commissioners, is correct and complete.

JAY L. ATHEY,
City Auditor.

Report of Inspector of Buildings.

ABBREVIATIONS.

Cor. —Corner.

Nr. —Near.

S. L. —Sub Lot.

L. —Lot.

S. S. —South Side.

N. S. —North Side.

E. S. —East Side.

W. S. —West Side.

Tmt. —Tenement.

D. —Double.

Dwlg.—Dwelling.

Pc. —Place.

Ho. —House.

Altns.—Alterations.

R. —Rear.

So. —South.

Alt. —Allotment.

Report of the Inspector of Buildings.

CLEVELAND, O., Jan. 1, 1890.

Hon. Geo. W. Gardner, Mayor:

I have the honor herewith to submit my second annual report of the business connected with this office, from January 1, 1889, to January 1, 1890.

Cleveland, during the past year, has met with remarkable success in that which tends further, perhaps, to show a flourishing, healthy condition of business generally, than any other branch of industry, viz: the large increase in the number of buildings. A steady, healthy growth, which in no far distant time destines the Forest City to be first in population and in business in this State.

The number of wooden structures are, however, too numerous, being greatly in excess of brick and stone. And located as we are with the great lake frontage, necessarily subjected to high winds, although so fortunate in the past, and possessing so efficient a fire department, sweeping fires may occur. And with so much inflammable material, the constantly increasing liability from fire, although provided with so competent chiefs, and faithful, gallant fire laddies, may it not pass beyond human power to control this fire fiend?

I would urge, (as I have ever advised,) the necessity of at least a reduction of this proportion of wooden to brick and stone buildings.

In consideration of the numerous business centers in the outlying districts, and the compactness of building in these localities, fire districts might be created, which would materially aid in effecting greater security.

The necessity of providing good, efficient fire escapes (stairs) is becoming more apparent, from the frequency and disastrous results of a neglect in that direction. In cities throughout the country the subject of safety to occupants of blocks has become a matter of serious consideration, and has been urged by this office continually. About 46 notices have been served to owners of what have been considered most necessary and important buildings, to place thereon suitable fire escape stairways. Nearly all of such have been complied with, and with the policy of a little patience and perseverance, much that is beneficial in this direction can yet be accomplished.

In our theaters and other places of public gathering, too much care cannot be exercised in the inspection and control of arrangement of exits, stage, seating, and skylights, all so arranged as to obviate as much as possible any disaster from panic from any cause.

The control of these buildings has been, until recently, invested in the executive departments of the city. The importance and advisability of this feature of authority being placed in such hands, is apparent to any thinking person. The many special arrangements peculiar to such buildings, the heating and ventilation, lighting, store and dressing rooms, skylights, and their arrangement, together with many passages, platforms, traps, scenery, etc., etc., all of which are component parts of this class of buildings, should be, in their regulation, under the control of these expert officers. Yet our State Legis-

lature saw fit, on February 19, 1889, to pass an act which transfers this authority (on application of the proprietor) from our City Inspectors to the State Inspector of workshops and factories.

This, certainly, as far as relates to such cities as Cincinnati and Cleveland, with their many places of public amusement and expert officials, should be at once repealed. Special laws in this matter should control at least the two above mentioned cities.

Public safety in construction, the care in the avoidance of fire liability, and the care of occupants, have been the grand objects of this department during the past year, and, we think, with excellent results.

There are changes in the law governing this department which might be made with benefit to the public generally. I would recommend a reduction in the cost of permits. Also the addition of one assistant in the department.

The city covers a very large area, and a much better and more efficient inspection could be made by having this necessary additional assistant. With the profit to the city with which the office has been conducted, these changes are, I think, advisable.

I desire herein to tender thanks for the valuable assistance received from the Police Department. Although few calls have been necessary, they have always met with efficient response.

CONDENSED REPORT OF AMOUNT OF BUSINESS FOR THE YEAR FROM JANUARY 1, 1889, TO JANUARY 1, 1890.

	Total Number.
Brick and stone	115
Wood and frame	2,486
Additions and alterations	1,302
Moving	104

Total cost of structures	$4,401,854 00
Total cost of permits	$9,664 75
Total expenses of office	$5,263 83
Net profit to office.	$4,400 92

I respectfully tender to you my thanks for the aid and encouragement the office has received at your hands.

The following is a detailed report of the business of this office, including recapitulation.

Respectfully,

W. H. DUNN,

Inspector of Buildings.

BUILDING PERMITS.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	Ward 1.				
R. Romanella	Harrison nr. Hill	$ 2,800	$ 4 55	Brick.	Store and Tenement.
Matthias Schmitt	97 Cross	800	2 80	"	Shop.
Taylor & Boggis F'dry Co.	71 and 73 Central Way	2,700	6 00	"	"
David Lieberman	15 and 17 Broadway	4,600	7 55	"	Stores and Tenem't.
Jos. Hackman	88 and 90 Broadway	4,000	12 90	"	" "
E. J. Foster	44 and 46 Huron	2,500	4 05	"	Tenements.
Woods, Jenks & Co.	Stone's Levee	4,500	6 40	"	Ware House.
William Vale	83 Broadway	1,000	2 00	"	Store and Tenement.
Andrews Bros.	Broadway, cor. Ohio	8,000	11 55	"	" "
Jos. Hackman	84 and 86 Broadway	2,500	8 70	"	Store.
E. G. Kraus & Co.	Commercial, cor. Canal	150	1 15	"	Office.
Ohio Sash & Door Co.	Stone's Levee, nr. C. C. R'y	1,500	10 60	Frame.	Ware House.
Ohio Oil & S. Tank Co.	Central Way, nr. Harrison	200	2 65	"	Shop.
Jacob Goldman	18 Berg	25	1 05	"	Shed.
Jacob Goldman	20 Berg	25	1 05	"	"
S. Smith	120 Central Way	625	1 70	"	Offices, Etc.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.				
Andrews Bros.	Ohio, cor. Woodland	$ 800	$ 1 00	Iron.	Fronts.
J. G. Miller	Ohio, nr. Ontario	80	1 00	"	Stairs.
Frank M. Koefski	8 Jerome Alley	20	1 00	"	Kitchen.
Woods, Jenks & Co.	Stone's Levee	500	1 00	Brick.	Office.
Reuben Strauss	46 Bolivar	75	1 00	Iron.	Shed.
Jas. Jordan	35 and 37 Bolivar	150	1 00	"	Kitchen.
Cleveland Prov. Co.	Cross St., nr. Central Way	4,000	9 00	"	Slaughter House.
Mrs. B. Timm	45 Harrison	15	1 00	"	Shed.
Anna Miklisen	22 Jerome	100	1 00	Frame.	Rooms.
J. Fisher	397 Ontario	40	1 00	"	Front.
M. Schmitt Estate	97 Cross	25	1 00	Iron.	Shed.
J. Wieland	44 Commercial	50	1 00	Frame.	Room.
H. E. Handerson	164 Broadway	1,000	3 00	"	"
J. Lehman	Huron, nr. Sheriff	400	1 00	Iron.	Store.
Albert Cunat	15 Cross	775	1 00	Frame.	Rooms.
Benj. Rose	Sheriff, nr. Bolivar	2,250	5 00	"	"
Jos. Duffner	939 Sheriff	300	1 00	"	Front.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Felix	393 Ontario	$ 200	$ 1 00	Iron.	Kitchen.
M. Demiter	30 Jerome	40	1 00	Frame.	Rooms.
J. Goodman	42 Berg	200	1 00	"	Repairs.
Brooklyn St. R. R. Co	451 Canal	800	1 00	Brick.	Wall.
The Fisher, Wilson Co	47 Central Way	100	1 00	Iron.	Tool House.
Grossman	71 Bolivar	2,750	5 00	Brick.	Factory.
A. L. Schopp	48 Hill	10	1 00	Iron.	Shed.
	Ward 2.				
Stran & Clark B. Co	840 and 842 Sheriff	1,700	4 20	Brick.	Printing House.
W. P. Southworth	N. E. cor. Sheriff and Huron	23,000	25 75	"	Ware House.
W. P. Southworth	N. E. cor. Sheriff and Huron	6,000	11 30	"	Barn.
N. O. Stone	46, 48 and 50 Euclid	40,000	41 20	"	Store and Office.
J. O'Brien	23 Oak Pc	600	1 50	"	Saloon.
Charles Stran	R. 838 Sheriff	244	1 45	"	Shop.
Chris. Voelkers	19 Howe	300	1 85	Frame.	Barn.
Chris. Voelkers	19 Howe	250	1 60	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
F. W. Robertson	824 Sheriff	$ 335	$ 2 00	Frame.	Shop.
J. S. Sweeney	Superior, nr. Erie	5,000	6 80	"	D. Dewlling.
	ADDITIONS AND ALTERATIONS.				
O. D. Myer	331 and 335 Superior	1,600			
Chandler & Rudd	24 Euclid	850	1 00	Iron.	Store Front.
Chandler & Rudd	24 Euclid	2,500	5 00	Frame.	Interior.
Sterling & Co	10 Euclid	900	1 00	"	"
A. L. Sackett	74 Huron	50	1 00	"	"
E. R. Hull & Co	127 and 135 Ontario	1,500	3 00	Brick.	Arches.
W. Otis	Vincent, nr. Erie	35	1 00	Iron.	Stairs.
N. W. Cutter	12 and 14 Euclid	2,500	5 00	"	Fronts.
S. Lederer	39 Howe	240	1 00	Frame.	Rooms.
Dr. L. W. Sapp	349 Erie	350	1 00	"	Store.
E. Decker	141 and 143 Euclid	3,000	7 00	Brick.	"
H. M. Brown	206 and 208 Seneca	600	1 00	"	Saloon Front.
J. & T. J. Firth	210 and 212 Ontario	250	1 00	"	Bar Room.
A. R. Rumsey	R. 435 Superior	30	1 00	Iron.	Shed.
Sterling, Welch & Co	Euclid Ave., nr. Square	900	1 00	"	Alterations.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Boutal	84 Euclid	$ 75	$ 1 00	Brick.	Shop.
C. G. King	99 Euclid	600	1 00	"	Store.
Jas. McGrath	58 Walnut	150	1 00	Frame.	Kitchen.
Jas. Parsons	251 Erie	125	1 00	"	Room.
M. A. Bradley	90 and 92 Euclid	843	1 00	Iron.	Fronts.
E. Decker	141 and 143 Euclid	1,200	3 00	Brick.	Rooms.
Sam'l Dicks	R. 142 Champlain	200	1 00	Iron.	"
David Cohen	63 Michigan	100	1 00	"	Pavilion.
Wm. Krause	821 Sheriff	1,100	3 00	Brick.	Store and Front.
Mrs. A. Westbrook	21 Oak Place	100	1 00	Iron.	Room.
Clark Britton P't'g Co	840 Sheriff	260	1 00	Brick.	Office.
Dr. E. Cushing	19 and 21 Prospect	900	1 00	"	Store.
Robt. Vactor	28 Howe	400	1 00	Iron.	Kitchen.
C. F. Brandt	145 Ontario	876	1 00	Frame.	Rooms.
W. S. Bendell	Vincent St	250	1 00	Brick.	Barn.
J. W. Vanderwerf	R. 177 Euclid	300	1 00	Brick.	Kitchen.
E. J. Crocker & Co	187 Ontario	100	1 00	Gravel.	Roof.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Chas. Miller	106 Euclid	$ 150	$ 1 00	Brick.	Kitchen.
Wm. Chisholm	Vincent St	500	1 00	"	Office.
E. Heyse	21 Euclid	500	1 00	"	Rooms.
W. H. Lawrence	102 and 104 Euclid	1,200	3 00	Iron.	Fronts.
J. O. Green	Erie, nr. Chestnut	1,500	3 00	Brick.	Factory.
J. O. Green	Erie, nr. Chestnut	3,000	7 00	"	Shop.
Union Club	158 Euclid	1,500	3 00	"	Rooms.
Board of Education	Euclid, nr. Oak Place	16,600		Stone.	"
	Ward 3.				
Stewart & Johnson	Spring, nr. Superior	2,000	4 15	Brick.	Store House.
Geo. M. Atwater	R. 26 and 28 Viaduct	1,200	3 70	"	Ware House.
Darius Adams	Water, cor. Main	29,000	65 10	"	Factory.
M. B. Clark	297 Merwin	2,000	5 80	"	Ware House.
A. Bradley Estate	R. 116 and 118 Superior	17,000	25 05	"	"
A. Teachout & Co.	Canal, nr. Seneca	10,000	25 00	"	Ware House.
Aug. & Jas. Barnett	R. Bank, nr. Lake	18,000	28 70	"	Knitting Works.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
G. M. Atwater	James, nr. R. R. track	$ 250	$ 1 40	Brick.	Boiler House.
Louis Rauh	116 E. River	125	1 25	Frame.	Shop.
	ADDITIONS AND ALTERATIONS.				
Mrs. H. Sackett	135 Superior	2,000	5 00	Frame.	Interior.
J. V. Kennedy	38 Leonard	150	1 00	Brick.	Stack.
P. J. & M. Striebinger	Seneca, cor. Michigan	1,000	3 00	"	Factory.
H. B. Perkins	Seneca, nr. St. Clair	643	1 00	Frame.	Interior.
The W. Bingham Co	150 Water	500	1 00	Iron.	Offices.
J. B. Perkins	209 Superior	1,000	3 00	"	Gallery.
Stone Bros	28, 30 and 32 Merwin	1,200	3 00	Frame.	Interior.
Atwater & Co	James, cor. Merwin	10,000	21 00	Brick.	Rooms, Etc.
C. L. Simmons	Seneca, cor. Summit	500	1 00	Frame.	Pavilion.
Plain Dealer Pub. Co	213 and 215 Bank	500	1 00	Brick.	Stack, Etc.
Schaber, Reinthal & Co	305 Spring	514	1 00	Iron.	Loft.
Cleveland Milling Co	113 Merwin	1,600	3 00	Brick.	Ware House.
J. B. Perkins	Seneca, cor. Perkins Ct	5,000	11 00	"	Furniture.
G. A. Harper	178 Superior	150	1 00	Frame.	Interior.
M. B. Beelman	R. 53 Center	25	1 00	Iron.	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
W. J. Molitor	119 Superior	$ 400	$ 1 00	Frame.	Interior.
J. B. Savage & Co	65 and 67 Frankfort	700	1 00	Brick.	Rooms.
M. J. Moriarty & Co	186 Superior	300	1 00	Iron.	Front.
Mrs. Montpelier	Bank, nr. St. Clair	1,800	3 00	Frame.	Interior.
Stone Bros	Merwin, nr. James	319	1 00	Iron.	Reservoir.
W. C. Scofield	101 St. Clair	250	1 00	Stone.	Floor.
O. V. Hensley & Co	170 Superior	15	.....	Frame.	Bulletin.
Jno. Ross	180 Canal	300	1 00	Iron.	Shop.
Louis Rauh	116 E. River	20	1 00	"	Shed.
A. Naumann	Front St., on River	550	1 00	Brick.	Wall.
Jno. McNeely	204 Spring	90	1 00	Frame.	Rooms.
F. Zimmerman	Leonard, cor. Voltair	3,886	7 00	Brick.	Factory.
Bell, Cartright & Co	French, cor. Fall	650	1 00	"	Mill.
S. M. Carpenter	Merwin, nr. Columbus	200	1 00	"	Foundry.
Hackner Hammer Co	19 Johnson	75	1 00	Iron.	Shed.
Jno. Hay	R. 73 and 79 St. Clair	15,000	31 00	Brick.	Clothing Manufact'y.
Jno. McMasters	203 Seneca	15	1 00	Iron.	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
J. H. Morley	Champlain, cor. Canal	$ 300	$ 1 00	Brick.	Vault.
Sam'l E. Williamson	S. W. St. Clair, nr. Water	6,500	13 00	"	Steam Laundry.
Geo. M. Atwater	James, nr. R. R.	250	1 00	"	Stable.
Fay Bros	63 James	25	1 00	Iron.	Shop.
Garry Iron R. Co	Merwin, nr. British	5,000	11 00	Brick.	Factory.
White S. M. Co	76 Canal	400	1 00	"	Vault.
H. B. Perkins	Water, nr. St. Clair	1,500	3 00	"	Factory.
H. B. Perkins	Frankfort, nr. Seneca	200	1 00	"	Room.
H. O. Price, (Lessee)	125 and 127 Bank	2,000	5 00	"	Restaurant.
C. L. Simmons	Seneca, cor. Lake View p	500	1 00	Iron.	Summer Garden.
	Ward 4.				
J. C. Ellis	Rockwell, nr. Erie	3,350	9 60	Brick.	Ware House.
M. A. Bradley	138 St. Clair	3,000	5 80	"	Stores, Etc.
Chas. Hickox	Euclid, cor. Erie	100,000	116 45	"	"
Henry Wolkerderfer	St. Clair, nr. Erie	2,000	3 10	"	Stores, Etc.
Wm. Bingham	Court House Alley	3,500	10 20	"	Ware House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Cleveland Electric L. Co.	Case Place	$ 5,300	$ 1 75	Brick.	Stack.
M. Ernst	125 St. Clair	125	1 15	"	Store.
R. M. Stowe	88 Summit	300	1 55	"	Barn.
	ADDITIONS AND ALTERATIONS.				
J. F. Molitor	257 Superior	1,000	3 00	Frame.	Interior.
A. Krause	288 St. Clair	50	1 00	Iron.	Shed.
Geo. T. Wetherbee	11 Bright	75	1 00	Brick.	Barn.
Sam'l G. Baldwin	R. 24 Hamilton	50	1 00	Frame.	Shed.
M. B. Clark	366 Superior	370	1 00	"	Fronts.
Mrs. L. Beckman	112 Lake	120	1 00	Iron.	Kitchen.
J. Nusdorfer	R. 110 Erie	75	1 00	"	Shed.
C. J. Schoonard	157 St. Clair	360	1 00	Frame.	Front.
H. J. Johnson	32 Ontario	500	1 00	"	Rooms.
Mary Quayle	Rockwell, nr. Bond	75		Iron.	Alterations.
N. M. Porter	20 Seneca	400	1 00	Brick.	Rooms.
J. W. Roof	47 Bond	85	1 00	Gravel.	Roof.
Cleveland Electric L. Co.	Case Place	1,500	3 00	Brick.	Power House.
J. C. Ellis	426 Superior	250	1 00	Frame.	Front.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Cleveland Electric L. Co.	Case Place	$ 250	$ 1 00	Brick.	Store House.
W. J. Morgan & Co.	St. Clair, nr. Wood	250	1 00	Iron.	Ware House.
M. B. Clark	Rockwell, nr. Bond	1,200	3 00	Brick.	Rooms.
S. G. Baldwin	R. 157 St. Clair	25	1 00	Frame.	Shed.
C. French	90 and 96 Bond	500	1 00	Brick.	Rooms.
F. H. McGinnes	R. 98 Erie	25	1 00	Iron.	Shed.
Mrs. Jno. Kelliher	208 Summit	40	1 00	"	"
H. B. Hunt	86 Bond	1,800	3 00	Brick.	Rooms.
Frazee's Laundry	R. 62 Ontario	60	1 00	Iron.	Shed.
S. G. Baldwin	Ontario, nr. Hamilton	300	1 00	Brick.	Store House.
J. J. A. Boyd	145 Lake	95	1 00	Iron.	Shed.
	Ward 5.				
E. H. & A. J. Wetherbee	Chestnut, nr. Muirson	9,000	12 70	Brick.	Six Fronts.
The Jacob Malt B'w'g Co.	Davenport	10,500	17 60	"	Ice House and Cellar.
G. Rasing	R. 92 Oregon	425	1 75	Frame.	Dwelling.
Thos. Manning	R. 75 Chestnut	413	1 65	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mrs. Jas. E. Bryan	109 Hamilton	$ 2,500	$ 3 40	Frame.	D. Dwelling.
Mrs. A. D. Shultz	Chestnut, nr. Dodge	2,700	3 30	"	"
W. B. Kenney	377 St. Clair	175	1 45	"	Barn.
Frank Miller	Hamilton, nr. Dodge	1,200	3 25	"	Dwelling.
John McGurk	Payne, nr. Dodge	800	2 50	"	"
John McGurk	Walnut, nr. Dodge	800	2 65	"	"
John McGurk	Walnut, nr. Dodge	795	2 95	"	"
Ricka Schuesler	303 Lake	800	1 95	"	"
C. P. Brennan	Payne, nr. Muirson	600	2 55	"	"
W. S. Dodge	Chestnut, nr. Dodge	2,800	3 80	"	"
D. Baldwin	Chestnut, nr. Dodge	2,700	4 30	"	D. "
Thos. Manning, Jr.	Chestnut, nr. Miurson	3,000	3 90	"	"
J. McGurk	Walnut, nr. Dodge	1,000	2 65	"	Dwelling.
Frank King	Walnut, nr. Muirson	1,450	2 55	"	Store and Front.
Mrs. F. King	Muirson, nr. Walnut	1,600	2 70	"	Dwelling.
Dudley Baldwin	Chestnut, nr. Dodge	2,700	3 70	"	D. Dwelling.
E. Boardman	309 Lake	150	1 90	"	Barn.
Theo. Van Bergen	567 Superior	2,900	6 05	"	D. Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
H. Carell	L. 14 Dodge	$ 500	$ 1 65	Frame.	Dwelling.
	ADDITIONS AND ALTERATIONS.				
C. Van Looser	207 Hamilton	50	1 00	Frame.	Kitchen.
W. Silverstone	90 Oregon	15	1 00	"	"
Gaggins	276 Lake	150	1 00	"	Porch.
Jno. Hay	Euclid, nr. Muirson	2,500	5 00	Brick.	Kitchen.
Wm. Kingzett	Davenport, nr. Erie	700	1 00	Frame.	Rooms.
Mrs. J. F. Clark	Euclid, nr. Brownell	130	1 00	Brick.	Barn.
Rev. Murphy	149 Oregon	50	1 00	Frame.	Shed.
W. S. Dodge	Dodge, cor. Chestnut	2,000	5 00	"	Rooms.
W. F. Brassell	599 Payne	45	1 00	"	Porch.
L. Brennan	1 Davenport	100	1 00	"	Kitchen.
Jas. McLaughlin	Payne, nr. Walnut	15	1 00	"	"
Mrs. E. Welch	88 Chestnut	1,240	3 00	"	Rooms.
Jno. McGurk	Payne, nr. Dodge	600	1 00	"	"
I. Rozenzweig	468 St. Clair	150	1 00	"	Store.
I. Fishman	309 Hamilton	20	1 00	"	Kitchen.
C. Van Looser	351 Hamilton	50	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Sam'l Mather	R. 514 Euclid	$ 1,892	$ 3 00	Brick.	Barn.
Henry Schaeffer	376 Hamilton	250	1 00	Frame.	Kitchen.
Henry Chedson	264 Hamilton	25	1 00	"	Shed.
J. C. Stowe	74 Muirson	100	1 00	"	"
Thos. La Mountain	Payne, cor. Walnut	850	1 00	"	Shop.
H. Judd	Payne, nr. Dodge	80	1 00	"	Porch.
Geo. Holmes	93 Chestnut	700	1 00	"	Rooms.
C. W. Gardner	R. 20 Davenport	60	1 00	"	Barn.
	Ward 6.				
J. E. French	Euclid, nr. Sterling	50,000	14 20	Brick.	Dwelling.
Pat. Kinney	Hurlbut, nr. Payne	400	1 70	Frame.	"
Dr. A. F. House	Oliver, nr. Superior	1,058	2 40	"	Barn.
Carl Bernthaler	84 Delaware	1,200	2 25	"	Dwelling.
Jno. Heideman	8 Everett	600	2 10	"	"
Isaac Hicks	R. 151 Lawrence	260	1 35	"	"
Jas. Rockford	Hazard, nr. Payne	3,500	4 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. H. Taylor	Sterling, nr. Perkins	$ 2,800	$ 5 75	Frame.	Dwelling.
Miss J. Henretley	19 Danforth	675	1 55	"	"
Jas. Rockford	Hazard, nr. Payne	3,500	4 65	"	"
Jno. J. Pickett	Hurlbut, nr. Perkins	275	1 50	"	"
Herman Loeser	45 Hurlbut	1,050	2 50	"	"
Dudley Baldwin	North Perry, nr. Payne	3,000	4 55	"	D. "
E. Riedel	L. 71 Waring	1,400	1 70	"	Dwelling.
Thos. Ryan	126 Waring	400	1 50	"	"
Wm. Potts	L. 9 Danforth	600	2 00	"	"
F. Gunzenhauser	Sterling, nr. Payne	1,700	2 80	"	"
C. Nickhensky	L. 23 Douglass	250	1 50	"	"
Geo. Ertel	Waring, nr. Perkins	1,200	2 80	"	"
B. McCarty	Hazard, nr. Superior	250	1 55	"	Barn.
W. H. Garlock	Waring, cor. Perkins	2,000	3 80	"	D. Dwelling.
Cath Tettamanti	Waring, nr. Perkins	700	1 80	"	Dwelling.
Jas. Brannan	Waring, cor. Sterling	1,000	2 25	"	"
Jacob Hein	217 Waring	1,600	3 15	"	"
John Potke	32 Everett	400	1 55	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. H. Garlock	Perkins, nr. Waring	$ 2,500	$ 3 40	Frame.	D. Dwelling.
Jno. Padofsky	Payne, nr. Douglass	1,000	2 85	"	Store and Tenement.
Jacob Stein	R. 217 Waring	400	1 75	"	Barn.
	ADDITIONS AND ALTERATIONS.				
Derricks	15 Danforth	250	1 00	Frame.	Front.
Albert Hopfstein	90 Delaware	50	1 00	"	Kitchen.
Mrs. Welch	16 Danforth	25	1 00	"	"
W. S. Merritt	172 Sterling	100	1 00	"	"
H. Peters	38 Everett	150	1 00	"	"
W. J. O'Neill	124 Dodge	75	1 00	"	Bedroom.
Wm. Garnett	59 Danforth	400	1 00	"	Rooms.
Jno. Christian	10 Everett	75	1 00	"	Kitchen.
Jos. Wieneman	166 Lawrence	900	1 00	"	Rooms.
M. Shannon	9 Perkins	125	1 00	"	Kitchen.
R. Gilmour	Superior, nr. Dodge	7,800	15 00	Brick.	School, Etc.
J. L. Wood	686 Euclid	3,500	7 00	Stone.	Alterations.
Eberling	137 Sterling	90	1 00	Frame.	"
Thos. White	42 Danforth	250	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Louis Laubscher	134 Lawrence	$ 250	$ 1 00	Frame.	Rooms.
J. B. Mooney	686 Payne	500	1 00	"	"
A. Sauer	162 Sterling	75	1 00	"	Kitchen.
Wm. McDonough	42 Huntington	100	1 00	"	Rooms.
Oscar Townsend	705 Euclid	400	1 00	Brick.	Bath Room.
J. G. Hower	582 "	50	1 00	Frame.	Bay Window.
	Ward 7.				
M. A. Bradley	Superior, cor. Willson	29,000	33 30	Brick.	Stores and Tenem'ts.
Thos. Forbert	Willson, nr. Mason	6,000	6 05	Frame.	D. Dwelling.
Forest City C. B. Wks	Superior, nr. C. & P. R'y	500	2 90	"	Carpet Works.
Sam Doerfler	R. 947 Superior	300	1 95	"	Store and Tenement.
Jno. Veit	R. 357 Case	300	1 70	"	Barn.
Aug. Schulze	Superior, nr. Lyman	1,000	3 20	"	Dwelling.
J. B. Edwards	L. 55 Asylum	1,200	1 95	"	"
Christ Arasp	186 Wason	350	1 65	"	"
P. M. Arthur	Willson, nr. Euclid	7,000	6 60	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
J. C. Farenfield	Clifton, nr. Superior	$ 225	$ 1 65	Frame.	Barn.
F. W. Brush	R. 1149 Superior	550	2 05	"	"
H. L. Dickerman	27 Margaret	250	2 15	"	"
Jos. Willkum	192 Wason	850	2 05	"	Dwelling.
Wm. Livingston	R. 74 Phelps	500	2 05	"	"
C. Wolkersdorfer	R. 960 Payne	140	1 45	"	Barn.
Geo. Becker	11 Hurlbut	500	1 95	"	Dwelling.
H. R. Dickerman	27 Margaret	1,500	2 80	"	"
Jas. Sause	189 McHenry	800	2 15	"	"
Jno. J. Ruedy	R. 772 Willson	800	2 30	"	Barn.
Jos. Freidel	Wason, nr. Cooper	425	1 50	"	Dwelling.
Emma Mueller	730 Willson	2,850	4 70	"	"
Herman Arndt	205 McHenry	35	1 10	"	Wash House.
Louisa Dill	R. 1164 and 1166 Payne	265	1 90	"	Barn.
R. Bergenzer	167 Wason	600	2 30	"	Dwelling.
J. W. Stuhler	Payne, nr. Willson	1,600	4 40	"	"
Frank Bohactk	Payne, nr. Kirtland	375	1 65	"	Store.
Mrs. M. E. Carpenter	80 Phelps	1,600	3 30	"	D. Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Wm. Climo	Wason, nr. Cooper	$ 615	$ 1 75	Frame.	Dwelling.
J. H. LaPierre	R. Payne, nr. Aaron	125	1 80	"	Barn.
Dr. Geo. Whitney	Willson, nr. White	2,500	3 05	"	Dwelling.
Jno. Van Dellan	R. 478 Case	30	1 25	"	Barn.
H. C. Wick	Superior, nr. Wason	2,000	4 95	"	Dwelling.
Morris Maxwell	1053 Superior	1,700	2 35	"	"
Geo. Soeter	212 Wason	400	1 70	"	"
G. L. Ingersoll	R. 954 Payne	50	1 60	"	Barn.
Martin Schaefer	307 Hoadley	600	1 80	"	Dwelling.
Christ Wolkersdorfer	R. 960 Payne	100	1 35	"	Barn.
G. J. Stanhope	Payne, nr. Kirtland	400	1 30	"	Shop.
Morris Collins	R. 131 Lyman	500	1 50	"	Dwelling.
Brush Electric Co.	Wason, nr. C. & P. Ry.	1,500	9 30	"	Store House.
	ADDITIONS AND ALTERATIONS.				
Mrs. C. Sanderman	181 McHenry	25	1 00	Frame.	Kitchen.
Geo. Grulisnak	180 "	250	1 00	"	Rooms.
Geo. Seuffert	401 Belden	250	1 00	"	Saloon.
Andres Hommell	238 McHenry.	250	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Weber	158 Aaron	$ 50	$ 1 00	Frame.	Kitchen.
Wm. Granan	233 Hoadley	300	1 00	"	"
Mary Prema	298 Belden	60	1 00	"	"
Jacob Trunk	392 Kirtland	175	1 00	"	Front.
Jno. Sausse	McHenry, nr. Superior	40	1 00	Stone.	Foundation.
C. S. Bissell	Windsor, nr. Case	900	1 00	Frame.	Alterations.
C. S. Bissell	1002 Euclid	900	1 00	Brick.	"
Fr. Sachinskie	42 Douglass	200	1 00	Frame.	Front.
C. Wolkersdorfer	960 Payne	400	1 00	"	Shop.
Jno. Heiden	303 Hoadley	250	1 00	"	Rooms.
Cooney Miller	190 "	600	1 00	"	"
F. Spotholt	206 McHenry	175	1 00	"	Bay Window.
Christ Willert	38 Hoadley	175	1 00	"	Rooms.
A. C. Saunders	850 Willson	750	1 00	"	Porch.
L. A. Thompson	1081 Superior	100	1 00	"	Bay Window.
Wm. Koehlke	68 Danforth	500	1 00	"	Rooms.
Wm. Miller	R. 975 Payne	15	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
L. Zimmerman	141 Aaron	$ 50	$ 1 00	Frame.	Alterations.
H. Russ	352 Belden	25	1 00	"	Shed.
Adam Miller	113 Lyman	150	1 00	"	Rooms.
Frank Gerteis	Payne, cor. McHenry	200	1 00	"	"
J. J. Ruedy	772 Willson	5,000	11 00	"	"
B. Auth	944 Payne	50	1 00	"	Kitchen.
Christ Long	34 Douglass	125	1 00	"	Rooms.
" "	34 "	175	1 00	"	Alterations.
Michael Lucas	182 Hoadley	80	1 00	"	Kitchen.
T. J. Stoll	87 Clifton	250	1 00	"	Rooms.
Anton Mader	389 Kirtland	200	1 00	"	"
Fred Stoll	10 Harlem	200	1 00	"	Parlor.
Union Steel Screw Co.	Case, cor. Payne	4,200	9 00	Brick.	Barn.
Frank Yost	100 Phelps	75	1 00	Frame.	Room.
S. A. Fishblatt	660 Willson	175	1 00	"	Shed.
J. S. Oram	Superior, nr. Kirtland	260	1 00	"	Barn.
Geo. Wolf	11 Kelley	125	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
J. S. Oram	1135 Superior	$ 900	$ 1 00	Frame.	Rooms.
Milton Morton	916 Payne	75	1 00	"	Store.
Joe Young	3 Mather	250	1 00	"	Dwelling.
	Ward 8.				
R. Gilmour	354 Lake	290	1 85	Frame.	Ball Alley.
Jacob Boehm	444 "	2,700	5 85	"	Dwelling and Barn.
Philopena Bechler	R. 358 Hamilton	620	1 70	"	Dwelling.
Jno. Altvater	R. 35 Delaware	650	1 65	"	"
A. Steinbrenner	424 Lake	800	1 90	"	"
Geo. Stephan	R. 16 Oliver	50	1 20	"	Barn.
M. Streibinger	Superior, nr. Oliver	4,000	5 10	"	Dwelling.
Jas. Hagan	104 Alabama	1,200	2 80	"	"
Henry Blecking	R. 548 Hamilton	200	1 85	"	Barn.
City of Cleveland	Oliver, cor. Oregon	1,827		"	"
M. Streibinger	R. Superior, nr. Oliver	450	1 85	"	"
J. C. Keefe	630 Hamilton	400	2 00	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. Engert	257 Oregon	$ 500	$ 1 65	Frame.	Dwelling.
Thos. Hoban	554 Hamilton	500	2 15	"	"
Maggie Reddy	463 "	400	1 60	"	"
	ADDITIONS AND ALTERATIONS.				
Mrs. W. H. Brews	408 Hamilton	200	1 00	Frame.	Parlor.
Mrs. B. Mathews	428 "	500	1 00	"	Kitchen.
Thos. Fay	173 Oregon	60	1 00	"	"
Gustav Spero	13 Minnesota	50	1 00	"	"
Wm. King	408 Lake	175	1 00	"	Bed Rooms.
Christian Prech	266 Oregon	75	1 00	"	Kitchen.
Luke Grace	471 Lake	175	1 00	"	Rooms.
Mrs. C. Hogan	16 Minnesota	45	1 00	"	Shed.
W. H. Schwarz	508 St. Clair	80	1 00	"	Porch.
Catherine Lace	406 Lake	350	1 00	"	Dry Room.
M. J. Callahan	61 Alabama	275	1 00	"	Rooms.
H. Wehrschmidt	526 St. Clair	180	1 00	"	"
W. P. Chard	No. Perry, cor. Oregon	1,200	3 00	"	Store and Front.
Owen Rice	506 Lake	125	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
A. Drexel	31 Sterling	$ 250	$ 1 00	Frame.	Rooms.
Mary A. Hardy	611, 613 St. Clair	500	1 00	"	Store.
Geo. Barth	410 Hamilton	100	1 00	"	Kitchen.
Dora Simmons	431 Lake	600	1 00	"	Rooms.
P. Huberty	571 St. Clair	150	1 00	"	"
R. Offenhauser	528 " "	700	1 00	"	"
Geo. Barth	410 Hamilton	100	1 00	"	"
Mrs. Keating	472 "	200	1 00	"	"
Louis Dill	516 St. Clair	150	1 00	"	"
Julia Lions	634 Hamilton	200	1 00	"	"
Philip Kennedy	196 Oregon	100	1 00	"	Kitchen.
Mary A. Hardy	R. 611, 613 St. Clair	50	1 00	"	Shed.
H. Dorenbach	568 " "	280	1 00	"	Front, etc.
Wash. Assem. K. & St. J.	587 " "	950	1 00	"	Hall, "
	Ward 9.				
American Wire Co.	Marquette, nr. L. S. Ry.	5,000	6 45	Brick.	Engine House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Otis Iron & S. Co.	Lake, cor. Lawrence	$ 5,000	$ 15 00	Brick.	Forge.
Avery Stamping Co.	" " "	14,500	47 70	"	Stamp Works.
Cleveland G. L. & C. Co.	Oxford, nr. R. R.	9,000	13 30	"	Retort.
" " "	" "	1,000	2 60	"	Engine House.
" " "	" "	7,000	11 65	"	Boiler House.
" " "	" "	1,500	10 20	"	Coke House.
" " "	" "	5,000	24 05	"	Purifyer.
King Iron Bridge Co.	Hoyt, nr. R. R.	6,000	7 95	"	Offices, etc.
Variety Iron Works	Hamilton, nr. Case	500	1 60	Frame.	Office.
Bertha Kresson	Carey, nr. Willson	440	1 90	"	Dwelling.
Karl Krause	Munich, nr. Willson	738	2 30	"	"
Jno. Hirius	R. 580 Hamilton	700	1 95	"	"
R. T. Webber	51 Hoyt	400	1 65	"	"
Richard Finnelly	L. 6 Hoadley	900	2 45	"	D. Dwelling.
G. Fugman	Brunswick, nr. St. Clair	1,000	2 30	"	Dwelling.
Jno. Richart	148 Belden	850	2 30	"	"
C. Kelch	Hilliard, nr. Merkel	100	1 30	"	Barn.
Joe Wincer	40 Hoadley	350	1 65	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
F. J. Miller	90 Lawrence	$ 800	$ 1 90	Frame.	Dwelling.
Fred Raffenning	St. Clair, nr. Belden	4,000	3 20	"	D. Dwelling.
Jno. Dale	137 Hoyt	1,100	2 75	"	Dwelling.
W. H. Brew	Lake, nr. Belden.	3,000	14 90	"	Manufactory.
Edwin Stephens	Percival, nr. Superior	1,150	2 15	"	Dwelling.
King Bridge & Iron Co	Iron Alley, nr. R. R.	5,000	26 60	"	Shop.
Fred Rutz	95 Hoyt	350	1 90	"	Dwelling.
Jno. Rowe	46 Percival	800	2 20	"	"
Frank Hickman	St. Clair, nr. Asylum	1,900	3 35	"	"
Fred K. Obrock	76 Munich	700	1 85	"	"
Wm. Jolly	249 Kirtland	1,200	2 45	"	"
Phil. H. Williams	E. S. Kirtland, nr. Superior	1,500	2 80	"	"
Adolph Peters	L. 47 Hoyt	350	1 65	"	"
Fred Refenning	Belden, cor. St. Clair	1,800	3 50	"	D. Dwelling.
Fred Brown	Case, cor. Lake	125	1 60	"	Saloon.
Geo. Brooks	Homer, nr. Willson	500	5 25	"	Dwelling.
Jas. McVay	Mina, nr. Lake View	650	1 95	"	"
J. W. Headley	St. Clair, nr. Kirtland	1,900	2 60	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Wm. Blakeley	45 McHenry	$ 300	$ 1 60	Frame.	Dwelling.
Wm. Arkless	Superior, nr. Willson	1,400	2 90	"	Barn.
H. Warnke	L. 31 Merkel	800	2 30	"	Dwelling.
Otto & Albert Petzke	L. 2 Coe	1,200	2 70	"	D. "
" " "	L. 1 "	1,200	2 70	"	D. Dwelling.
Bryan Ward	Hilliard, cor. Granville	240	1 25	"	"
A. Baker	943 St. Clair	1,600	2 85	"	"
Dennis Fay	L. 4 Asylum	1,000	2 30	"	"
J. L. Meng	1180 St. Clair	550	2 50	"	Shop.
Mrs. F. Moerschler	Diemer Alt. nr. St. Clair	900	2 40	"	Dwelling.
Gus. Potenski	L. 5 Ravenna	130	1 30	"	"
B. Schatzinger	30 Willson	4,200	5 95	"	"
Chas. Daus	980 Superior	90	1 35	"	Barn.
Wm. Gibbons	L. 498 St. Clair	1,000	2 40	"	Dwelling.
Geo. Simon	R. 738 "	400	2 10	"	"
N. J. Benedict	Coe, nr. St. Clair	600	1 65	"	"
" "	" " "	600	1 65	"	"
Jno. Baul	9 Hoyt	440	1 75	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jacob Augustine	Merkel, nr. R. R.	$ 485	$ 1 45	Frame.	Dwelling.
Jno. Glenn	McHenry, nr. St. Clair	1,300	2 35	"	"
Adam Schoendorf	L. 128 St. Clair	1,250	4 45	"	Shop and Front.
Jas. Flynn	L. 415 "	1,200	3 60	"	Dwelling.
F. Rafenning	Belden, nr. St. Clair	1,500	2 85	"	D. "
Henry Forster	L. 56 Hoyt	450	1 75	"	"
City Foundry Co.	Hamilton, opp. Hoadley	1,500	10 90	"	Foundry.
Fred. Dreves	L. 23, Matta	525	2 05	"	Dwelling.
Thos. Quinn	Kirtland, nr. Hamilton	2,500	5 35	"	Store and Tenement.
Dan'l Lostiner	Granville, nr. Ravenna	125	1 35	"	Dwelling.
Cotabish & Doubreva	Fairlie, nr. E. Madison	1,200	3 10	"	"
" "	Juniatta, nr. E. Madison	180	1 40	"	Office.
" "	St. Clair, nr. Merkle	180	1 20	"	"
Henry Forster	L. 55, Hoyt	450	1 35	"	Dwelling.
" "	L. 56, Hoyt	450	1 35	"	"
Eliza Jukes	787 St. Clair	200	1 85	"	Bottle Works.
Thos. Weikle	St. Clair, nr. Hoadley	1,600	5 90	"	Stores and Tenem'ts.
R. M. Parmley	L. 20, Percival	800	2 25	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. J. Way	St. Clair, nr. Lawrence	$ 3,000	$ 5 65	Frame.	D. Dwelling.
Mr. Duternghala	Percival, nr. St. Clair	1,150	2 75	"	"
Jno. Meinel	St. Clair, nr. Willson	2,500	4 85	"	Store and Tenement.
Henry Wells	St. Clair, nr. Becker	1,200	2 50	"	Dwelling.
Jas. Hayes	Percival, nr. Superior	300	1 60	"	"
C. Thompson	Asylum, nr. Superior	1,500	3 10	"	"
Mrs. Bertsch	Merkel, nr. St. Clair	325	1 45	"	"
" "	Merkel, nr. St. Clair	325	1 45	"	"
Wm. Koehler	20 Light	500	1 65	"	"
Wm. Abel	937 St. Clair	2,200	3 60	"	D. Dwelling.
J. Tomosekeski	Lakeview, nr. Willson	550	1 85	"	Dwelling.
M. Murray	Percival, nr. Superior	550	1 80	"	"
Jno. Faran	Percival, nr. St. Clair	1,000	2 30	"	"
Jas. Duffin	Sterling Pc., nr. Waring	800	2 10	"	"
L. B. Smith	186 Belden	1,700	2 90	"	D. Dwelling.
Thos. Quinn	Lake, nr. Wason	2,000	3 45	"	Store and Tenement.
W. Thornton	S. L. 18 Oxford	900	1 85	"	Dwelling.
Henry Forster	Hoyt, nr. St. Clair	450	1 35	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Henry Forster	Hoyt, nr. St. Clair	$ 450	$ 1 35	Frame.	Dwelling.
Henry Forster	" " "	450	1 35	"	"
Henry Forster	L. 57 Hoyt	450	1 75	"	"
Aug. Bergenski	L. 18 Hoyt	400	1 35	"	"
W. J. Crawford	Standard, nr. Willson	450	1 55	"	"
W. J. Crawford	" " "	450	1 55	"	"
F. D. Bosworth	R. 679 St. Clair	180	1 20	"	Barn.
Jno. C. Graham	R. 1014 Superior	150	1 45	"	"
Jno. Askew	St. Clair, nr. Percival	1,500	2 35	"	Dwelling.
Thos. Quinn	Wason, cor. Lake	800	2 25	"	"
H. E. Smith	1100 Payne	2,650	5 35	"	Double Dwelling.
L. O. Gassett	N. S. Superior, nr. Sterling	2,500	5 40	"	" "
Cleveland Crystal Co.	E. Madison, nr. L. S. R'y	5,000	51 40	"	Chemical Works.
C. Kelch	Hilliard, nr. Merkel	100	1 30	"	Barn.
	ADDITIONS AND ALTERATIONS.				
Dennis Crowley	144 Belden	200	1 00	Frame.	Room.
M. A. Sumner	1172 Superior	175	1 00	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS—*Continued.*				
L. W. Aster	804 St. Clair	$ 125	$ 1 00	Frame.	Rooms.
Fred. Vogt	Lawrence, nr. Superior	125	1 00	"	Kitchen.
Mrs. E. M. Raeder	13 Waring	200	1 00	Stone.	Cellar.
Jno. Lane	52 McHenry	50	1 00	"	"
Jno. Richards	Lake, nr. Wason	10	1 00	Frame.	Shed.
Wm. Naracher	47 Phelps	150	1 00	"	Kitchen.
Chas. Drews	121 Wason	150	1 00	"	Rooms.
Caroline Drews	123 Wason	150	1 00	"	Kitchen.
Cleveland City Forge	Lake, cor. Case	1,700	3 00	Brick.	Offices.
Mrs. E. Milheisler	R. 156 Willson	107	1 00	Frame.	Barn.
A. Meyer	58 Waring	150	1 00	"	Kitchen.
Jno. McCrink	34 Armitage	40	1 00	"	"
C. Stocke	R. 1250 St. Clair	150	1 00	"	Rooms.
Chas. Holler	28 Percival	10	1 00	"	Flooring.
Mrs. B. Harrison	17 Percival	150	1 00	"	Kitchen.
Walter Griffin	50 Waring	200	1 00	"	"
Geo. Young	230 Case	30	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Gilmartin	19 Percival	$ 100	$ 1 00	Frame.	Kitchen.
M. Breitwig	Hamilton, cor. Lake	42	1 00	"	"
C. Yonkers	L. 415 St. Clair	125	1 00	"	Room.
Wm. Blank	50 Aaron	175	1 00	"	"
Am'n Wire Co	Lake, nr. Marquette	3,675	7 00	Brick.	Cleaning House.
Fred. Rantner	61 Armitage	200	1 00	Frame.	Room.
A. J. Benedict & Sons	Coe, nr. St. Clair	250	1 00	"	"
A. J. Benedict & Sons	Coe, nr. St. Clair	250	1 00	"	"
G. W. Gill	Kirtland, nr. R. R.	400	1 00	"	Shed.
A. Wolenschlager	1448 St. Clair	10	1 00	"	"
M. Mullen	61 Hoadley	140	1 00	"	Rooms.
P. H. Stark	86 Hoadley	50	1 00	"	Kitchen.
Julius Kisman	21 Hoyt	50	1 00	"	"
Billings, Taylor & Co	37 and 45 Case	1,350	1 00	Brick.	Ware House.
Billings, Taylor & Co	37 and 45 Case	800	1 00	"	Varnish House.
Nat'l Carbon Co	Willson, nr. R. R.	8,000	17 00	"	Manufactory.
Lake Erie Iron Co	Oxford, nr. R. R.	13,000	27 00	"	Ware House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Mrs. M. Schmitt	12 Merkel	$ 300	$ 1 00	Frame.	Dwelling.
Thos. D. West F'd'y Co	Wason, cor. C. & P. R'y	1,000	3 00	"	Foundry.
H. Splittorf	14 Waring	325	1 00	"	Room.
	Ward 10.				
G. J. Hardway	Huron, nr. Euclid	20,000	23 80	Brick.	Flats.
E. L. Johnson	34 Webster	200	1 55	"	Stable.
Y. M. C. A	Prospect, cor. Erie	122,000	82 40	"	Y. M. C. A.
Joshua E. Hall	318 Prospect	9,750	9 55	"	Store and Tenement.
Brooklyn St. R. R	Brownell, cor. Parkman	150	1 50	Frame.	Barn.
A. Schwab	R. 171 Ohio	65	1 30	"	Shed.
Frank Van Ostram	R. 55 Webster	450	1 70	"	Dwelling.
Ed. Sackett	R. 349 Erie	400	4 80	"	Barn.
C. Hartman	R. 231 Brownell	100	1 15	"	"
J. W. Hodgson	R. 65 Webster	200	2 05	"	"
	ADDITIONS AND ALTERATIONS.				
E. B. Esty	128 Bolivar	75	1 00	Frame.	Bay Window.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
F. Reinhart	42 Parkman	$ 200	$ 1 00	Frame.	Rooms.
Chas. Kreckel	90 Parkman	175	1 00	"	Kitchen.
Geo. G. Johnson	351 Erie	200	1 00	"	Gallery.
Jno. Kaercher	267 Brownell	410	1 00	"	Rooms.
P. M. Spencer	R. 99 Huron	600	1 00	"	Barn.
Chas. Beck	186 and 188 Ohio	700	1 00	"	Rooms.
Sarah Hodgson	R. 312 Prospect	750	1 00	"	Dwelling.
Peter Hoffman	60 Webster	15	1 00	"	Shed.
Edward Elzenspeig	22 Sumner	850	1 00	"	Dining Room.
Forest City Ice Co.	Sumner, nr. Plum	500	1 00	"	Rooms.
C. Lichtenfield	74 Parkman	20	1 00	Iron.	Kitchen.
Everett Weddell Estate	164 Huron	75	1 00	Brick.	Vault.
Sarah Hodgson	R. 312 Prospect	300	1 00	Iron.	Rooms.
M. Kavanaugh	235 Brownell	120	1 00	"	"
Mrs. Hoffman	59 Webster	25	1 00	"	Shed.
	Ward II.				

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Chas. Hickox	Granger, nr. Prospect	$ 5,000	$ 5 80	Brick.	Dwelling.
W. J. Morgan	Prospect, nr. Granger	10,000	11 80	"	Flats.
I. Markowitz	21 Vine	1,000	2 05	Frame.	Dwelling.
	ADDITIONS AND ALTERATIONS.				
Wm. Judd	Judd, nr. Harmon	500	1 00	Frame.	Dwelling.
E. Markowitz	21 Vine	200	1 00	"	"
H. Sander	14 Vine	30	1 00	"	Shed.
L. R. Sanford	26 Granger	100	1 00	"	Porch.
H. R. Hatch	517 Prospect	1,870	3 00	Brick.	Rooms.
Francis J. Wing	30 Granger	100	1 00	Frame.	"
Thos. Elwood	80 Perry	25	1 00	"	Shed.
A. Beilstein	3 Harmon	200	1 00	"	Kitchen.
Carl Zickler	38 Judd	25	1 00	"	Shed.
H. J. Haber	92 Perry	150	1 00	"	Kitchen, etc.
Mrs. E. Green	35 Vine	160	1 00	"	Shed.
H. L. Towler	112 Perry	100	1 00	"	Barn.
Elizabeth Tait	299 Huntington	655	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Mary H. Worley	41 Granger	$ 275	$ 1 00	Frame.	Rooms.
	Ward 12.				
R. R. Root	R. 579 Prospect	6,300	9 80	Brick.	Barn.
McAllister & Dall	2 Blair	1,000	3 25	"	"
Kent Sanders	645 Prospect	3,900	3 00	"	"
Robt. Collister	L. 10 Calvert	1,750	2 50	Frame.	Dwelling.
H. Watterson	L. 26 Calvert	1,800	4 90	"	"
Andrew Miller	18 Pine	500	2 25	"	"
Lawrence Sinnott	113 Perry	550	1 90	"	Barn.
Andrew Miller	16 Pine	500	2 25	"	Dwelling.
Jno. Weiss	Hayward, nr. Cedar	1,300	2 75	"	"
H. G. Slatmyer	North Place, nr. Garden	1,300	2 80	"	"
J. D. Cleveland	19 Pine	350	1 75	"	Shop.
Mary J. French	Calvert, nr. Cedar	1,500	3 15	"	Dwelling.
S. E. Adams	Cedar, cor. Greenwood	2,500	4 10	"	"
Jno. Weiss	Hayward, nr. Cedar	205	1 80	"	Barn.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Use.
Wm. Sayles	Cedar, cor. Calvert	$ 9,000	$ 7 30	Frame.	Tenement.
Chandler & Rudd	16 Blair	4,500	11 30	"	Barn.
Jennie Thompson	Hayward, nr. Cedar	1,200	2 50	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
Wm. Sayles	L, 25 Calvert	125	1 00	Frame.	Lumber Shed.
Wm. Sayles	L. 24 Calvert	250	1 00	"	Rooms.
Capt. Wilson	122 Cedar	275	1 00	"	Laundry.
F. F. Hickox	595 Prospect	750	1 00	"	Rooms.
Gerard Nelisee	45 Newton	500	1 00	"	"
Mrs. F. M. Hanna	736 Prospect	300	1 00	"	"
D. A. Dangler	Prospect, cor. Sterling	5,000	11 00	Brick.	Dwelling.
Chas. Witzig	14 Pine	50	1 00	Frame.	Rooms.
Mrs. B. A. Beebe	117 (East) Perry	125	1 00	"	Water Closet.
Conrad Mohr	6 Cleave	300	1 00	"	Rooms.
G. Wessman	26 Blair.	75	1 00	"	Shed.
Frank Willson	186 Cedar	1,500	3 00	"	Rooms.
Henry Kaifer	203 Garden	300	1 00	"	Store.
R. Tiner	30 Blair	100	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
D. R. Howley	35 Sibley	$ 1,000	$ 3 00	Frame.	Rooms.
Henry Oestreich	20 Pine	48	1 00	Stone.	Foundation.
Henry Wahl	63 Greenwood	450	1 00	Frame.	Rooms.
Henry Wahl	61 Greenwood	450	1 00	"	"
Edwin Cowles	656 Prospect	18,000	37 00	Brick.	"
Paul Schultz	186 Seymour	150	1 00	Frame.	"
S. P. Rose	109 Cedar	300	1 00	"	"
	Ward 13.				
Mrs. J. Mason	R. 122 Greenwood	1,125	2 15	Frame.	Dwelling.
Herman Koch	Case, nr. Scovill	11,500	6 90	"	"
Henry Watterson	R. 28 Harper	150	1 55	"	Barn.
J. T. Watterson	1024 Forest	2,000	3 40	"	Dwelling.
Hopp & Goodwin	160 Garden	2,300	3 45	"	"
I. Levy	Case, nr. Garden	4,200	6 40	"	"
H. J. Fertig	N. S. Scovill, nr. Kennard	2,000	3 80	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Andrew Scheule	Beech, nr. Garden	$ 2,200	$ 3 80	Frame.	Dwelling.
S. E. G. Church	136 and 138 Garden	4,000	3 55	"	Church.
G. H. Robinson	Beech, nr. Scovill	3,200	3 45	"	Dwelling.
W. H. Farrand	37 Maple	100	1 10	"	"
I. W. Nichols	Arlington, nr. Scovill.	2,550	3 20	"	"
Louis M. Wolff	Kennard, nr. Garden	4,000	4 60	"	"
Jane E. Coulby	Kennard, nr. Garden	3,000	3 65	"	"
I. B. Heller	Kennard, nr. Scovill	1,500	3 85	"	"
	ADDITIONS AND ALTERATIONS.				
E. C. Stockwell	130 Arlington	350	1 00	Frame.	Rooms.
Jno. Pfander	60 Linden	200	1 00	"	"
Anna Geiger	50 Harper	300	1 00	"	"
John Fetzer	117 Scovill	2,500	5 00	"	"
Philip Dorn	113 Osborn	40	.....	"	Shingling.
James Jordan	36 Putnam	300	1 00	"	Rooms.
A. T. Anderson	39 Osborn	500	1 00	"	"
M. Abel	200 Forest	150	1 00	Stone.	Cellar.
C. Keasel	Garden, cor. Harper	75	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
A. L. Strauss	151 Garden	$ 75	$ 1 00	Frame.	Rooms.
J. W. Jungling	123 Scovill	75	1 00	"	"
Geo. Camp	17 Laurel	30	1 00	"	Shed.
J. E. Reiley	172 Garden	100	1 00	"	Porch.
T. J. Pankhurst	R. 303 Kennard	300	1 00	"	Rooms.
Jno. Reardon	23 Harper	300	1 00	"	"
J. W. Hartman	87 Hackman	300	1 00	"	"
Jos. Sparrow	69 Beech	731	1 00	"	"
Jno. Gill	436 Sterling	100	1 00	"	"
F. Groenmeyer	31 Harper	200	1 00	"	"
S. E. G. Church	136 Garden	275	1 00	"	"
Dr. E. J. Wunderlich	213 Scovill	50	1 00	"	Porch.
Jno. N. Mueller	44 Linden	25	1 00	"	Rooms.
Carrie Schlote	148 Garden	240	1 00	"	"
Carrie Schlote	150 Garden	260	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	Ward 14.				
Alice Haines	Willson, nr. Euclid	$ 3,000	$ 6 75	Brick.	Stores, etc.
Saginaw Bay L. Co.	R. 1137 Euclid	400	2 55	Frame.	Shop.
G. Rathka	R. 68 Forest	700	1 90	"	Dwelling.
R. H. Jenks	R. 900 Case	600	2 80	"	Barn.
D. Lenty	Prospect, nr. Case	8,300	7 15	"	Dwelling.
Wm. Deoll	60 Hayward	900	2 30	"	"
H. C. Miller	Kennard, nr. Garden	5,500	4 85	"	"
L. C. Baldwin	Garden, nr. Beech	150	2 35	"	Shop.
Levi Wherry	Case, nr. Garden	4,000	4 60	"	Dwelling.
C. W. Burrows	R. 201 Kennard	800	2 60	"	Barn.
J. Goldsmith	Case, nr. Garden	1,500	3 70	"	"
Saginaw Bay L. Co.	Euclid, nr. Willson	1,300	6 75	"	Offices, etc.
L. S. Potwin	Kennard, nr. Garden	3,300	4 20	"	Dwelling.
Wm. Gray	R. 55 Grant	500	1 65	"	"
J. H. Hutchins	Cedar, nr. Willson	2 600	3 95	"	"
Geo. G. Schryar	R. 292 Sibley	1,000	2 10	"	Barn.
Wm. Giffin	56 Arlington	350	1 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
B. J. Lytle	52 Arlington	$ 2,000	$ 3 25	Frame.	Dwelling.
L. S. Potwin	Kennard, nr. Garden	3,500	4 10	"	"
Jno. Wahl	Hayward, nr. Cedar	1,150	2 65	"	"
	ADDITIONS AND ALTERATIONS.				
L. L. Baldwin	461 Garden	200	1 00	Frame.	Shop.
Mrs. F. C. Vail	1141 Prospect	4,500	9 00	"	Rooms.
Alice Haines	Willson, nr. Prospect	2,000	5 00	"	"
J. J. Feil	66 Grant	100	1 00	"	Porch.
Lelia S. Hicks	87 Arlington	800	1 00	"	Store.
Geo. C. Kridler	79 Arlington	300	1 00	"	Rooms.
Jas. Neil	49 Grant	300	1 00	"	"
S. Wisenberger	Willson, nr. Cedar	400	1 00	"	"
R. Gurley	499 Cedar	275	1 00	"	Roof.
A. B. Foster	Arlington, cor. Cedar	350	1 00	"	Rooms.
S. C. D. Johns	61 Arlington	300	1 00	"	"
Jason Robbins	Case, nr. Sibley	1,200	3 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
H. P. Hoilyman	Arlington, nr. Garden	$ 40	$ 1 00	Frame.	Porch.
Geo. W. Baker	315 Cedar	100	1 00	Stone.	Cellar.
Geo. Ingersoll	72 Forest	150	1 00	Frame.	Rooms.
W. Baker	Cedar, nr. Case	275	1 00	Stone.	Cellar.
J. Busby	339 Garden	1,000	3 00	Frame.	Rooms.
Harkness Estate	Euclid, cor. Willson	500	1 00	"	"
Geo. P. Smith	21 Kennard	1,000	1 00	"	"
Mr. Bram	Garden, nr. Forest	250	1 00	"	"
Jno. Polcar	399 Garden	225	1 00	"	"
J. D. Rockefeller	Prospect, cor. Case	17,000	35 00	Brick.	School.
C. T. Emery	Case, nr. Cedar	3,000	7 00	Frame.	Rooms.
Mrs. T. W. Leek	981 Euclid	800	1 00	"	"
Fannie M. Page	115 Arlington	400	1 00	"	"
Paul Gleim	30 Grant	25	1 00	"	Shed.
Wm. Gray	55 Grant	50	1 00	"	Kitchen.
	Ward 15.				
F. W. Keppler	Woodland, nr. Forest	9,000	10 10	Brick.	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Henry Shafer	R. 895 Woodland	$ 4,200	$ 9 90	Brick.	Tenement.
Henry Shafer	R. 895 Woodland	4,200	9 90	"	"
L. W. Heimsath	Sawtell, nr. Outhwaite	2,000	3 35	Frame.	"
Jacob Wyman	Kennard, nr. Woodland	2,500	3 30	"	"
J. C. Gillen	L. Kennard, nr. Paddock Pc	1,700	3 20	"	Dwelling.
J. Koegles	R. 254 Forest	500	2 10	"	"
C. E. Fuller	Paddock Pc., nr. Outhwaite	2,000	3 55	"	"
C. Goodsword	115 Linden	2,000	3 55	"	"
F. C. Franke	R. 134 Putnam	135	1 40	"	Barn.
J. S. Stevens	Paddock Pc., nr. Outhwaite	2,300	2 75	"	Dwelling.
" "	" " "	2,300	2 75	"	"
" "	" " Woodland	2,300	2 75	"	"
" "	" " "	1,800	2 40	"	"
M. Mittleberger	1152 Case	4,500	5 85	"	"
Sigmund Lederer	W. S. Forest, nr. Woodland	3,500	7 15	"	"
Henry Kessler	Portland, nr. Willson	900	1 75	"	"
Mrs. C. C. Abrams	126 Bank	[illegible]	[illegible]	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Wm. S. Rew	Sawtell extension, nr. Woodland	$ 800	$ 2 45	Frame.	Dwelling.
Jacob Hoffman	111 Linden	2,400	3 10	"	"
J. C. Gillen	10 Paddock	1,400	2 75	"	"
D. W. Harrison	42 Portland	800	2 90	"	Ware House.
Mrs. GeBarde	N. S. Woodland, nr. Putnam	1,000	2 05	"	Dwelling.
H. L. Martyn	Outhwaite, nr. Paddock Pc.	1,600	4 15	"	"
Lucinda Bradbury	Paddock Pc, nr. Outhwaite	1,840	3 85	"	"
B. Salberg	Forest, nr. Woodland	3,000	3 95	"	"
B. Salberg	Forest, nr. Woodland	5,000	6 35	"	D. Dwelling.
Mrs. J. Reichert	R. 32 Chapel	700	1 90	"	Dwelling.
Joseph & Louis Black	Putnam, nr. Woodland	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"
" " " "	" " "	2,300	3 70	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jos. Scheicher	N. S. Creighton, nr. Perry	$ 1,000	$ 2 50	Frame.	Dwelling.
H. F. Droz	W. S. Sawtell, nr. Woodland	1,500	3 90	"	"
C. Emrich	R. 1466 Willson	30	1 20	"	Barn.
Mrs. I. N. Howk	W. S. Paddock Pc.	1,600	3 05	"	Dwelling.
J. F. Ely	Paddock Pc., nr. Outhwaite	2,000	2 85	"	"
Mrs. P. Warner	32 Henry	40	1 15	"	Barn.
Clara F. Stern	Linden, nr. Woodland	1,500	3 20	"	Dwelling and Barn.
S. Spencer	Paddock Pc., nr. Woodland	2,200	2 15	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
Mrs. Koeckert	Woodland, nr. Maple	250	1 00	Frame.	Rooms.
Nathan Weisenberg	102 Laurel	25	1 00	"	Alterations.
L. A. DeCelle	54 Portland	50	1 00	"	Kitchen.
E. Cole	190 Beech	800	1 00	"	Rooms, etc.
Geo. Burton	465 Kennard	150	1 00	"	Kitchen.
J. Botzmeyer	Woodland, nr. Case	1,000	3 00	"	Store and Tenement.
Yette Halle	38 Charles	150	1 00	Stone.	Cellar, etc.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
F. Rozenzweig	263 Forest	$ 254	$ 1 00	Frame.	Rooms.
Geo. Grossman	491 Kennard	30	1 00	"	Alterations.
J. H. Dremann	165 Beech	75	1 00	"	Porch.
A. D. Koeckert	529 Woodland	125	1 00	"	Rooms.
Wm. Schnearline	146 Scovill	632	1 00	"	"
J. H. Voth	24 Charles	125	1 00	"	Porch.
Chas. Pundchutt	W. S. Charles, nr. Woodland	778	1 00	"	Rooms.
Chas. Hausman	190 Scovill	300	1 00	"	Bay Window.
Jno. Koester	29 Charles	15	1 00	"	Shed.
A. J. Klecka	103 Laurel	125	1 00	"	Kitchen.
J. Jaster, Jr.	461 Kennard	70	1 00	"	Bay Window.
Jno. Fox	460 Sterling	1,000	1 00	"	Rooms.
G. L. Ingersoll	R. 301 Forest	50	1 00	"	Shed.
F. Emrich	1194 Case	800	1 00	"	Porch and Barn.
Konter Bros.	505 Woodland	50	1 00	"	Paint Shop.
V. Starek	31 Portland	995	1 00	"	Rooms.
Anthony Roemer	R. 29 Portland	45	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Fox	126 Scovill	$ 350	$ 1 00	Frame.	Rooms.
Geo. Boltz	525 Woodland	150	1 00	"	Shed.
Mrs. Henes	182 Scovill	175	1 00	"	Kitchen.
C. C. Abrams	196 Beech	500	1 00	"	D. Dwelling.
H. Berustein	297 Perry	400	1 00	"	Alterations.
	Ward 16.				
Jno. B. Hess	259 Orange	1,000	2 45	Frame.	Dwelling.
A. Schwartz	45 Jackson	600	1 90	"	"
Ida Rosenblatt	95 Orange	600	2 35	"	"
Louis Byloskie	196 Woodland	500	2 05	"	"
Sam'l Strauss	241 Orange	400	3 15	"	"
Anna Brown	Andes Alley	900	2 10	"	"
Conge Baruch Oil Co.	262 Broadway	25	1 30	"	Shed.
Wm. Endress	R. 230 Orange	80	1 25	"	Barn.
C. R. Hiller	20 Irving	900	2 45	"	D. Dwelling.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Alice Chute	232 Orange	$ 600	$ 2 25	Frame.	Dwelling.
Mrs. Bockus	Broadway, nr. Liberal	885	2 50	"	Store and Tenement.
	ADDITIONS AND ALTERATIONS.				
H. Fossinger	879 Perry	40	1 00	Frame.	Rooms.
A. Schmitt	53 Orange	1,200	3 00	"	Rooms and Barn.
M. Herskowitz	245 Orange	350	1 00	"	Rooms.
Cleveland Axle M'f'g Co.	Broadway, nr. R. R.	140	1 00	"	Shed.
Mrs. Kettemeyer	100 Orange	485	1 00	"	Rooms.
Mrs. Kettemeyer	100 Orange	175	1 00	"	"
James Parmalee	158 Woodland	65	1 00	"	"
Simon Harris	151 Orange	900	1 00	"	"
P. Gabeline	R. 20 Liberal	50	1 00	"	"
M. Mace	38 Liberal	120	1 00	"	"
John Schraupl	529 Broadway	75	1 00	"	"
John Schaeroff	215 Orange	500	1 00	"	"
N. Musty	Perry, nr. Orange	550	1 00	"	"
R. Nusbaum	384 Woodland	250	1 00	"	"
I. Kutenhauer	394 Woodland	75	1 00	Stone.	Foundation.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
A. Fallar	Woodland, nr. Perry	$ 350	$ 1 00	Frame.	Store.
E. S. Isom	254 Woodland	50	1 00	"	Packing House.
J. Baspold	406 Woodland	50	1 00	"	Rooms.
Astor Baerman	262 Orange	500	1 00	"	"
W. Balsberg	57 Cherry	500	1 00	"	"
S. Cohen	390 Woodland	25	1 00	"	Shed.
	Ward 17.				
A. A. Abbott	Davis Ct., nr. Sawtell	2,100	3 05	Frame.	Dwelling.
Felix Guenther	Sawtell, nr. Woodland	545	2 90	"	Barn.
E. Bowen	Davis Ct., nr. Sawtell	1,400	3 10	"	Dwelling.
Wm. Noville	R. 13 Davis Ct	550	3 60	"	Barn, etc.
B. Lilig	R. 79 Seelye	100	1 65	"	"
Henry Strand	Willson, nr. Ensign	1,600	3 90	"	Dwelling.
Jno. B. Ramp	Seelye, nr. Julia	2,000	3 00	"	"
Thos. D. Tarrett	Wallingford Ct., nr. Brownell	1,250	2 70	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Baehr	30 Julia	$ 1,300	$ 2 35	Frame.	Dwelling.
Jas. Scanlan	Woodland, nr. Sanford Ct.	5,000	5 80	"	D. Dwelling.
J. P. Read	6 Sawtell Ct.	1,000	2 40	"	Dwelling.
M. Burlison	N. S. Wellsley	1,500	2 60	"	"
E. T. & C. A. Lauer	Seelye, nr. Woodland	1,750	2 60	"	"
" "	" " "	1,750	2 60	"	"
" "	" " "	1,750	2 60	"	"
" "	" " "	1,750	2 60	"	"
" "	" " "	1,65	2 70	"	"
Geo. C. Diemer	197 Sawtell	3,000	3 90	"	"
Christ Wolf	Orange, cor. Humboldt	650	1 85	"	"
J. & L. Black	Sanford, nr. Woodland	1,500	3 10	"	"
" "	" " "	1,500	3 10	"	"
" "	" " "	1,500	3 10	"	"
" "	" " "	1,500	3 10	"	"
L. H. Davidson	R. 33 Davis Ct.	100	1 40	"	Shed.
T. R. Beckwith	Wellsley Pc.	1,850	2 75	"	Dwelling.
Mary Rabe	Seelye, nr. Julia	1,700	2 85	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Diebold & Ruble	Pittsburg, nr. Jackson	$ 200	$ 1 65	Frame.	Office.
C. G. Barkwill	R. 202 Sawtell	400	2 30	"	Barn.
Jno. Becka	Catawba, nr. Croton	360	1 45	"	Dwelling.
David Short	630 Orange	2,500	3 55	"	"
David Short	621 Orange	2,500	3 55	"	"
E. T. & C. A. Lauer	Seelye, nr. Woodland	1,750	2 90	"	"
" "	" " "	1,750	2 90	"	"
" "	" " "	1,750	2 90	"	"
Cath. Maloney	Woodland, nr. Wallingford	2,500	3 90	"	"
Cath. Maloney	" " "	2,500	3 90	"	"
Jas. Habart	Off Croton Alley	300	1 50	"	"
Leo Wolfenstein	10 Orange Extension	1,200	2 05	"	"
E. T. & C. A. Lauer	Seelye, nr. Woodland	1,750	2 90	"	"
" "	" " "	1,750	2 90	"	"
Cleveland Paper Co.	R. 130 Croton	75	1 40	"	Barn.
H. Koehler	Seelye, cor. Julia	1,300	3 05	"	Dwelling.
Geo. Easterbrook	Sawtell, nr. Julia	1,200	2 15	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. Scanlon	Woodland, nr. Sanford	$ 2,000	$ 3 75	Frame.	Dwelling.
Anna Vokaty	Croton, nr. Humboldt	900	2 00	"	"
A. I. Remeter	Forest, nr. Orange	700	2 05	"	"
H. C. Walker	Myrtle Ct., nr. Sawtell	1,800	2 45	"	"
J. Moser	Forest, cor. Orange	1,480	1 95	"	"
M. Helwig	173 Dana	1,200	2 70	"	"
P. F. Sidley	175 Seelye	1,200	2 45	"	"
Jno. Paschen	Forest, nr. Orange	1,000	1 95	"	"
Mrs. Chas. Becker	Woodland, nr. Belmont	4,400	6 90	"	D. Dwelling.
Aug. Knoch	Seelye, nr. Julia	1,200	2 45	"	Dwelling.
M. Higgins	Davis Ct., nr. Sawtell	1,400	3 10	"	"
D. H. Kimberly	Wallingford Ct.	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
D. H. Kimberly	Wallingford Ct.	$ 1,700	$ 3 05	Frame.	Dwelling.
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
" "	" "	1,700	3 05	"	"
F. H. Penfield	Case, nr. Woodland	3,000	4 50	"	D. Dwelling.
	ADDITIONS AND ALTERATIONS.				
J. W. Griffin	934 and 938 Woodland	20	1 00	"	Fronts.
P. Kramer	35 Pittsburg	200	1 00	"	Shop.
Frank Kitterley	42 Mayflower	40	1 00	"	Kitchen.
B. Plattel	44 Burwell	150	1 00	"	"
Albert Lehman	52 Burwell	50	1 00	"	"
L. C. Beardsley	109 Seelye	300	1 00	"	Rooms.
W. F. Krause	946 Woodland	75	1 00	"	Shed.
Wm. Dane	24 Holyoke Pc.	200	1 00	"	Kitchen.

	ADDITIONS AND ALTERATIONS.—*Continued.*				
S. Greenberger	40 Jackson	$ 500	$ 1 00	Frame.	Rooms.
Wm. Guhde	30 Burwell	75	1 00	"	Kitchen.
A. Weisenberger	125 Seelye	136	1 00	"	Rooms.
Anna Bushman	140 Sawtell	200	1 00	"	"
Joe Benish	1298 Burwell	50	1 00	"	"
E. Kremmel	35 Burwell	10	1 00	"	Shed.
Henry J. Deuring	530 Orange	175	1 00	"	Rooms.
G. H. Congregation	Case, nr. Woodland	200	1 00	"	"
Mrs. C. L. Butler	Myrtle Ct., nr. Sawtell	150	1 00	"	"
H. Reiffert	100 Croton	150	1 00	"	"
G. H. Congregation	Case, nr. Oren	200	1 00	"	Portico.
Jos. Rosenwater	An Alley nr. Broadway	2,760	5 00	"	Manufactory.
F. Luther	390 Orange	250	1 00	"	Room.
Thos. Hodden	53 Humboldt	290	1 00	"	"
Chas. Felchow	216 Croton	225	1 00	"	Shop.
H. Folkman	25 Humboldt	150	1 00	"	Store.
Geo. Schneider	62 Croton	10	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
E. Northnagel	50 Burwell	$ 300	$ 1 00	Frame.	Rooms.
Jno. Mach	65 Burwell	95	1 00	"	Kitchen.
A. J. Steinfeld	Woodland, nr. Case	800	1 00	"	Rooms and Porch.
Mrs. Wm. Cappello	491 Orange	550	1 00	"	" "
L. Warneke	696 Woodland	50	1 00	"	Office.
N. Brown	94 Irving	40	1 00	"	Shed.
J. A. Darby	148 Croton	500	1 00	"	Store.
	Ward 18.				
W. E. Wildman	L. 199 Crawford Alt	350	1 75	Frame.	Dwelling.
"	L. 199 Crawford Alt	350	1 75	"	"
Bernard Miller	L. 37 Dibble	900	2 50	"	"
Fred Meier	Dunham, nr. Lexington	800	2 05	"	"
Frank Klasen	Zoetter, nr. Dunham	750	2 15	"	"
R. Harkness	St. Clair, nr. Ranney	1,200	2 45	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Fred. Heuer	L. 24 Bliss	$ 900	$ 2 50	Frame.	Dwelling.
Letetia Warner	Dorchester, nr. Hough	4,500	5 10	"	"
Carl Oltmans	L. 2 Bonna	500	2 10	"	"
"	L. 1 Bonna	500	2 10	"	"
Jno. B. Hofste	406 Giddings	200	1 65	"	Barn.
J. Challingsworth	E. Madison, nr. Superior	200	1 55	"	Dwelling.
Otto Woodrich	Becker, nr. Bliss	2,000	5 05	"	D. "
J. H. Worley	Russell, nr. Euclid	4,000	3 90	"	D. "
H. M. Kemerlin	1409 St. Clair	150	1 30	"	Store.
Geo. Knoblock	L. 185 Lewis	250	1 70	"	Dwelling.
Wm. J. Crawford	Lewis, nr. Becker	550	1 95	"	"
"	" " "	550	1 95	"	"
Aug. Habenstein	Lewis, nr. St. Clair	400	2 20	"	"
Mary D. LaFountain	Lexington, nr. Russell	1,300	3 60	"	D. "
Chas. Michel	1226 Superior	300	2 00	"	Barn.
Otto Fry	White, cor. Clara	2,300	4 00	"	Dwelling.
C. F. Ludwig	L. 184 Lewis	175	1 70	"	"
Thos. J. Butler	Addison, nr. White	700	1 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Fred. Geirke	Dibble, nr. Willson	$ 1,800	$ 3 30	Frame.	Dwelling.
A. N. Clark	Russell, nr. Euclid	5,000	8 15	"	D. Dwelling.
H. Hurlbut	75 Sixth Ave.	325	1 80	"	Barn.
Frank Buzek	L. 11 Gold	125	1 45	"	Dwelling.
Carl Breeke	93 Dent	375	1 70	"	"
Jno. G. Weber	Russell, nr. Whitney	650	2 55	"	"
Henry Fillman	Dellenbaugh, nr. Giddings	300	1 90	"	"
Chas. Noll	L. 5 Rockford	725	2 25	"	"
Geo. Sutton	Lexington, nr. Norwood	850	3 85	"	"
B. Schatzinger	Russell, nr. W. P. Ave.	500	1 75	"	"
"	" " "	500	1 75	"	"
Chas. Stark	491 Russell	364	1 65	"	"
Dudley Dodge	Dorchester, nr. Hough	4,200	6 05	"	"
Jno. Schutt	Bonna, nr. Glass	300	1 95	"	"
"	" " "	300	1 95	"	"
Fr. Hagemiester	Gold, nr. Bonna	300	2 05	"	"

J. C. Burhan	Giddings, nr. Lexington	$ 600	$ 1 85	Frame.	Dwelling.
Adam Ott	1274 Lexington	1,250	2 85	"	"
T. L. White	Lexington, nr. E. Madison	2,500	3 80	"	"
Jno. Yarndt	22 Wilmer	900	2 10	"	"
C. E. Wilson	Olive, nr. Euclid	5,500	7 35	"	"
Mrs. Jno. Robinson	Ingleside, nr. Euclid	7,500	7 25	"	"
Florence A. Dellenbaugh	L. 53 Dellenbaugh	1,500	2 40	"	"
Geo. Stack	Lexington, nr. Russell	1,200	2 30	"	"
H. L. Eckerman	Dibble, nr. Willson	1,300	2 50	"	"
C. Schultz	9 Haff, nr. St. Clair	120	1 40	"	Barn.
Jno. King	St. Clair, nr. Peck	1,000	3 00	"	Dwelling.
J. S. Stevens	Curtis, nr. Willson	2,300	2 40	"	"
Louis Fielitz	Astor, nr. Russell	700	1 90	"	"
A. A. Wendt	Norwood, nr. W. P.	1,000	2 05	"	"
Tim Brouthers	Russell, nr. Whitney	450	2 00	"	"
John Mog	L. 42 Bliss	500	1 90	"	"
Wm. Deter	Wade Park Ave., nr. Giddings	400	1 90	"	"
J. P. Abernathy	R. 99 Sixth Ave	200	1 95	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Miss E. W. Jones	Willson Pc., nr. Norwood	$ 2,000	$ 3 10	Frame.	D. Dwelling.
Jacob Stahler	L. 85 Astor	800	2 05	"	"
Fred Bluchert	L. 11 Whitney	850	2 45	"	"
B. Decker	L. 37 Penna. Ave	275	1 50	"	"
Chas. Schroeder	L. 56 Dibble	1,540	2 45	"	"
W. D. Randell	1313 Quimby	350	2 20	"	Ware House.
C. C. Baldwin	Olive, nr. Curtis	3,500	4 80	"	Dwelling.
G. Jenofsky	Lewis, nr. Becker	630	1 65	"	"
Elizabeth Hugo	Whitney, nr. Russell	950	2 90	"	D. Dwelling.
Aug. Krause	24 Dellenbaugh	900	2 40	"	"
Jno. Brocklebank	E. Madison, nr. Superior	1,300	2 50	"	"
Wm. Mitchell	E. Madison, nr. St. Clair	2,300	2 90	"	"
Israel Clymer	E. Madison, nr. St. Clair	150	1 90	"	Barn.
Geo. S. Wright	Quimby, nr. Willson	4,500	7 15	"	Six Tenements.
Emma Begalke	Dunham, nr. Superior	2,000	3 35	"	Dwelling.
H. Schildmacher	S. L. 8 E. Madison	1,350	3 05	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jos. Gearsh	Wade Park Ave., nr. Giddings	$ 1,800	$ 3 40	Frame.	Dwelling.
Chas. Sumph	60 Astor	350	1 50	"	"
Joe Sirle	Zoeter, nr. Russell	600	2 40	"	"
Edward Clement	Lexington, nr. Giddings	1,200	3 05	"	"
Ernst Lahmus	26 Beecher	400	1 55	"	"
Frank Hildebrand	L. 20 Whitney	725	2 00	"	"
J. F. Bacon	Dorchester, nr. Hough	3,000	3 15	"	"
Wm. F. Lamprecht	" " "	1,700	3 75	"	"
Ralph Cobb	1272 Euclid	12,000	8 75	"	"
Julius Branulich	L. 30 Bliss	680	1 95	"	"
Ralph Cobb	R. 1272 Euclid	2,500	4 20	"	Barn.
Henry Deter	R. 108 White	100	1 45	"	"
Aug. Beidle	L. 19 Whitney	700	1 70	"	"
Jno. W. Connell	Sixth, cor. Norwood	1,600	2 70	"	Dwelling.
Fred L. Saxton	Lena, nr. Willson	1,400	2 50	"	"
F. Mincke	Quimby, nr. Norwood	750	2 40	"	"
Frank Childs	Wade Park, nr. Giddings	1,000	2 60	"	"
F. Boyer	Giddings, nr. Lexington	650	1 85	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
A. Kreutz	L. 72 Bliss	$ 600	$ 1 65	Frame.	Dwelling.
M. Zimmerman	1411 St. Clair	1,200	3 00	"	Store and Tenement.
Brooke Lamprey	L. 48 Wade Park	1,800	3 10	"	Dwelling.
R. W. Carr	S. L. 35 Dibble	900	2 25	"	"
Godfried Link	L. 110 Ranney	600	1 85	"	"
Otto C. Woodrich	Becker, cor. Bliss	140	1 95	"	Barn.
F. N. and H. F. Naumann	1358 Lexington	950	2 30	"	Store and Tenement.
J. C. Reid	Curtis, nr. Olive	2,200	3 45	"	Dwelling.
Mary Myers	L. 64 Bliss	575	2 00	"	"
U. Schultz	Lena, nr. Willson	1,200	2 50	"	"
A. B. Calhoun	68 White	1,550	2 75	"	"
W. H. Gardner	Glass, cor. Lyon	500	2 00	"	"
Christ. Golmbefoky	142 Lewis	600	1 80	"	"
Schubert & Shaffernek	Willson, nr. Windsor	350	2 75	"	Shop.
Jno. Willing	S. L. 7 Whitney	1,000	2 55	"	Dwelling.
Rebecca Orth	Dibble, nr. Willson	1,400	2 55	"	"
N. S. Gillman	Kensington, nr. Hough	3,000	3 70	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
L. M. Southern	Quimby, nr. Park Ave.	$ 2,600	$ 4 05	Frame.	Dwelling.
Aug. Prien	L. 31 Bliss	400	1 50	"	"
M. E. Russell	Edgewood Pc., nr. Euclid	1,800	2 70	"	"
Fred. Palklke	50 Astor	800	2 10	"	"
Geo. Trope	Wade Park, nr. Russell	2,000	3 00	"	Dwelling and Store.
L. M. Southern	Quimby, nr. Wade Park	2,600	4 05	"	Dwelling.
Amelia Evans	1242 Lexington	1,600	2 60	"	"
O. J. Benham	Ingleside, nr. Euclid	4,500	6 60	"	"
J. F. De Klyn	Clara, nr. White	500	2 55	"	Barn.
B. F. Browne	Dorchester, nr. Hough	2,500	3 50	"	Dwelling.
Eliza Beemer	Melrose, nr. Giddings	650	1 75	"	"
Geo. Scott	Peck, cor. Becker	1,000	2 35	"	"
W. J. Crawford	Lewis, nr. Bliss	400	2 10	"	"
" "	" " "	400	2 10	"	"
" "	" " "	400	2 10	"	"
" "	" " "	400	2 10	"	"
R. L. Woodruff	Willson Place, nr. Willson	368	1 45	"	"
F. W. Bruch	Lexington, nr. Norwood	2,000	3 30	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
G. H. Allen	Sixth Ave., nr. Norwood	$ 2,000	$ 3 30	Frame.	Dwelling.
H. Drysdale	Edgewood, cor. Curtis	2,500	4 65	"	"
K. Mackin	67 Dunham	1,400	2 65	"	"
W. L. Cornwall	50 Bliss	595	1 60	"	"
Joe Jonas	Hecker, nr. E. Madison	800	2 35	"	"
M. Wolff	Esther, nr. Dunham	700	1 75	"	"
D. Beck	13 Bliss	900	2 55	"	"
Henry Lindeman	L. 45 Luther	900	2 05	"	"
A. Kirschstein	St. Clair, nr. Becker	955	2 70	"	"
Jacob Kleinfelder	Russell, nr. Astor	2,800	3 40	"	Shop and Tenement.
E. Becker	L. 4 Dunham	2,000	3 30	"	Dwelling.
H. Hamburger	Bliss, nr. St. Clair	400	1 55	"	"
Maggie McGue	Bliss, nr. Becker	450	2 00	"	"
Benj. Warner	Dunham, nr. Penna	1,000	2 65	"	"
Joe Seifried	480 Russell	1,250	2 20	"	"
Wm. Gyse	Bliss, nr. St. Clair	400	2 00	"	"

H. T. Hower	Olive, nr. Willson	$ 2,400	$ 2 70	Frame.	Dwelling.
" "	" " "	2,400	2 70	"	"
F. L. Merkel	L. 68 Becker	760	2 50	"	"
Otto Myer	L. 25 Becker	950	2 40	"	"
Jno. Horn	Bliss, nr. St. Clair	900	2 30	"	"
C. H. Titcomb	Edgwood, nr. Euclid	3,000	4 00	"	"
Geo. Ely	L. 170 Becker	500	2 00	"	"
Aug. Nohes	L. 15 Wilmars	966	2 45	"	"
E. Smith	White, nr. Addison	3,000	5 30	"	"
Gus. Hayes	Becker, cor. Peck	550	1 90	"	"
Aug. Stark	R. 35 Penna. Ave	20	1 25	"	Barn.
H. C. Welch	Ingleside, nr. Euclid	4,000	4 05	"	Dwelling.
Thos. Reitner	36 Pennsylvania	770	1 90	"	"
Mrs. M. Kipp	14 Carry	30	1 10	"	Shed.
Wm. Welsh	St. Clair, cor. Peck	500	1 75	"	Dwelling.
Barbara Haas	Dibble, cor. Norwood	1,200	2 90	"	"
Wm. Gabriel	Hough, nr. Dorchester	2,200	2 55	"	"
Geo. Jackson	Russell, nr. Wade Park	550	1 85	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. Miller	L. 55 Lewis	$ 1,000	$ 2 55	Frame.	Dwelling.
Gus. Dalitz	L. 99 Ranney	350	1 70	"	"
R. C. Fritz	L. 32 Melrose	800	2 60	"	"
J. P. Welmes	Wade Park, nr. Giddings	400	1 85	"	"
Chas. Meinhardt	Bliss, nr. Becker	700	2 10	"	"
Fred. Dorman	Dana, nr. St. Clair	700	2 10	"	"
H. Buning	Astor, nr. Russell	550	2 15	"	Store.
Chas. Menge	Lexington, nr. Dunham	1,500	2 60	"	Dwelling.
Sarah A. Dellenbaugh	L. 52 Dellenbaugh	1,800	2 60	"	"
Wm. Swan	L. 59 Bliss	500	1 90	"	"
Jos. G. Trope	L. 196 Lewis	550	2 00	"	"
Moritz Lohney	41 Gold	1,054	2 35	"	"
Chas. Strack	Becker, nr. Bliss	300	1 55	"	"
Theo. Sauffert	L. 196 Ranney	460	1 75	"	"
Henry Rice	Lewis, nr. St. Clair	550	1 85	"	"
C. E. Fonda	Giddings, nr. Dellenbaugh	235	1 45	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. J. Crawford	Bliss, nr. St. Clair	$ 450	$ 1 55	Frame.	Dwelling.
Fred. Brunning	" "	700	2 05	"	"
Robt. Wright	St. Clair, nr. Peck	150	1 20	"	Shop.
J. S. Stevens	Kensington, nr. Euclid	3,500	4 05	"	Dwelling.
Brooke Lamprey	R. 76 Wade Park	175	1 90	"	Barn.
Moritz Tihlner	L. 21 Russell	850	2 35	"	Dwelling.
E. C. Hoffman	Edgewood, nr. Euclid.	2,000	3 10	"	"
E. Smith	98 White Ave	250	1 65	"	Barn.
B. Schatzinger	Giddings, cor. Quimby	1,500	1 85	"	Dwelling.
" "	" " "	1,500	1 85	"	"
" "	" " "	1,500	1 85	"	"
" "	" " "	1,500	1 85	"	"
" "	" " "	1,500	1 85	"	"
David Sayles	Russell, nr. Quimby	800	2 30	"	"
H. W. Lannert	St. Clair, cor. Lewis	1,300	2 75	"	Store and Dwelling.
Geo. H. Willson	Hough, nr. Olive	650	2 85	"	Barn.
Fritz Lempke	Penna., nr. Russell	800	2 05	"	Dwelling.
Geo. Rice	Ranney, nr. Bliss	450	1 30	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
B. Schatzinger	Dorchester, nr. Euclid	$ 3,000	$ 2 65	Frame.	Dwelling.
" "	" "	3,000	2 65	"	"
Jennie Granger	Penna., nr. Russell	400	1 70	"	"
" "	" "	400	1 70	"	"
A. H. Weed	Wade Park ave	3,000	4 30	"	"
W. E. Wildman	Peck, nr. St. Clair	400	1 55	"	"
" "	" "	400	1 55	"	"
Fred. Ruspeckie	Rockford, nr. Superior	725	2 05	"	"
W. J. Crawford	Peck, nr. St. Clair	450	1 55	"	"
" "	" "	450	1 55	"	"
" "	" "	450	1 55	"	"
" "	" "	450	1 55	"	"
Fred. Mencke	L. 1 and 2 Norwood	400	1 50	"	"
Jennie McKnight	L. 24 Dunham	1,000	2 10	"	"
Ed. Dudley	Penna., nr. Russell	1,000	2 60	"	"
Bertel Larsen	L. 13 Kindsvater	700	1 75	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Aug. Sinderman	Dunham, nr. Quimby	$ 2,000	$ 2 95	Frame.	Dwelling.
Wm. Hecker	L. 28 Schaefer	550	1 80	"	"
S. C. Fellows	W. S. Edgwood Pc	2,740	3 85	"	"
Henry Heckler	L. 18 Superior	75	1 45	"	Shop.
S. Spencer	375 Willson	200	1 70	"	Barn.
Aug. Blesch	83 Wade Park Ave	1,450	2 80	"	Dwelling.
H. V. Coan	Lexington, nr. Madison	2,400	3 25	"	"
Chas. Sent	Becker, nr. Bliss	600	2 05	"	"
J. Althaus	6th Ave., nr. Willson	75	1 30	"	Shed.
Fred. Barkler	L. 10 Bliss	1,230	2 50	"	Dwelling.
Jno. Wharton	E. Madison, nr. St. Clair	2,000	3 90	"	D. Dwelling.
Jno. Lichtenberg	L. 86 Ranney	550	2 10	"	Dwelling.
Barney Afred	L. 77 Ranney	650	1 85	"	"
Simon Siddeway	L. 14 Bliss	750	2 20	"	"
Julius Schulz	L. 10 Garry	3,800	5 15	"	D. Dwelling.
Jno. C. Gabel	Willson, cor. Kindsvater	1,625	4 00	"	"
Wm. Steingraber	L. 14 Light	450	2 00	"	Dwelling.
J. W. Walker	S. L. 102 Dunham	1,350	2 35	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Timothy Brothers	E. S. Willson, nr. St. Clair	$ 1,500	$ 3 35	Frame.	D. Dwelling.
Herman Radtke	Becker Pc., nr. St. Clair	400	1 45	"	Dwelling.
Henry Nehls	137 Beecher	1,200	2 45	"	"
Jno. Zoetter	Becker Pc., nr. Becker	800	2 20	"	"
Aug. Sinderman	Dunham, nr. Quimby	2,000	2 95	"	"
Eliza Cowan	E. Madison, nr. Corey	2,000	3 65	"	"
	ADDITIONS AND ALTERATIONS.				
C. Brandt	Seedle, nr. E. Madison	250	1 00	Frame.	Store.
H. W. Deter	97 Wade Park Ave	175	1 00	"	Rooms.
S. Mart	1257 Lexington	40	1 00	"	"
O. Gray	1226 Curtis	200	1 00	"	"
Mary Foster	185 Dana	100	1 00	"	Barn.
W. Costello	49 Baker	540	1 00	"	Rooms.
Martin Knopp	181 Dana	110	1 00	"	"
P. Maheney	5 Lyon	75	1 00	"	"
Lee McBride	1266 Euclid	1,500	3 00	"	"
D. Vaneke	40 Dellenbaugh	55	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
H. Stratman	1243 Lexington	$ 21	$ 1 00	Frame.	Shed.
Mrs. Kleish	1248 "	500	1 00	"	Porch.
J. S. Fassett	1215 Hough	200	1 00	"	Rooms.
E. Loyer	70 Bliss	150	1 00	"	"
Mrs. E. Herman	1042 Pearl	50	1 00	"	"
Carl Wedel	1247 Luther	700	1 00	"	"
Jno. Ursam	67 Clara	160	1 00	"	"
J. W. Green	23 Beecher	100	1 00	"	"
E. Lieberman	176 Dana	50	1 00	"	"
C. Malka	56 Edison	250	1 00	"	"
Fred. Spring	1268 Lexington	100	1 00	"	"
P. C. Smith	L. 35 Bliss	300	1 00	"	"
Adam Rearg	38 Ranney	50	1 00	"	Shed.
T. D. Lindsey	19 Dorchester	75	1 00	"	Rooms.
J. N. Clark	1328 Hough	250	1 00	"	Kitchen.
	Ward 19.				
E. C. Bowen	O'Connor, nr. Crawford	400	1 75	Brick.	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
C. W. Moses	Bolton, nr. Euclid	$ 8,000	$ 7 65	Brick.	Dwelling.
Church of Epiphany	Euclid, nr. Park Pc.	14,000	16 75	"	Church.
A. G. Hutchinson	Euclid, nr. O'Connor	7,200	5 25	"	Dwelling.
R. H. Fetterman	2200 Euclid	5,600	4 95	"	"
Board of Education	Hough, nr. Harkness	36,000			School House.
Jno. Schmidt	52 Malden	450	2 05	Frame.	Dwelling.
Geo. Robinson	L. 13 Robinson	700	2 35	"	"
W. F. Johnson	Seedle, nr. Star	660	2 00	"	"
Rebecca Nowry	Becker, nr. St. Clair	1,200	2 85	"	"
L. H. Fox	Genesee, nr. Euclid	500	2 05	"	"
F. B. Preston	L. 17 Hough	1,500	2 80	"	"
"	L. 18 Hough	1,500	3 05	"	"
F. C. Adams	Bolton, nr. Hough	2,000	3 45	"	"
"	" " "	2,000	3 45	"	"
J. W. McReynolds	Hough Pc., nr. Holt	1,700	2 80	"	"
Mrs. C. C. Douglas	L. 19 Montrose	400	1 70	"	"
Jos. Malahm	L. 6 Lodge	450	1 90	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. W. Richardson	Doan, nr. Euclid	$ 1,200	$ 2 35	Frame.	Dwelling.
E. L. Clark	Minerva, nr. Hough	800	2 00	"	"
Jno. Wilcox	Genesee, nr. Crawford	7,500	5 05	"	"
H. J. Bissell	L. 11 Corey	650	1 85	"	"
R. A. Bissell	L. 18 Corey	1,400	2 55	"	"
A. Doane	Corey, nr. E. Madison	1,000	2 15	"	"
Anton Puelking	Superior, nr. Genesee	3,000	3 55	"	"
E. C. Bowen	O'Connor, nr. Wade Park	4,000	4 70	"	"
Theo. Basters	74 Malden	400	2 35	"	"
Anthony Brrda	Lockyer, nr. Becker	500	2 45	"	"
Simon Shull	L. 12 Minerva	500	1 75	"	"
Needs Bros.	L. 17 Decker	800	1 80	"	"
C. W. Moses	Bolton, nr. Euclid	1,000	2 35	"	Barn.
Chas. Michel	Lyon, cor. Superior	1,050	2 85	"	Dwelling.
E. Forschner	1277 St. Clair	300	2 20	"	"
Jas. Decker	Smiley, nr. Superior	850	1 90	"	"
"	" " "	850	1 90	"	"
"	" " "	850	1 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Ribble	Montrose, nr. W. Park Ave	$ 400	$ 1 60	Frame.	Dwelling.
P. Grep	L. 16 Corey	400	1 35	"	"
G. W. Brunner	L. 17 Montrose	650	2 05	"	"
J. B. Cobb	Malden, nr. St. Clair	775	1 45	"	"
"	" " "	775	1 45	"	"
N. Heisel	1587 Hough	400	1 40	"	Barn.
Thos. Watkins	Malden, nr. St. Clair	1,200	2 45	"	Dwelling.
Michael Shannon	Wade Pk., nr. Montrose	1,290	2 30	"	"
Thos. White	E. Madison, nr. Silver	3,485	3 70	"	"
E. Gosney	Crawford, nr. Hough	600	1 60	"	"
F. N. Smith	1583 Hough	120	1 40	"	Barn.
Frank Fuller	19 Robinson	50	1 15	"	Shed.
D. J. Carpenter	E. Madison, nr. Linwood	1,200	2 70	"	Dwelling.
Fred. Byar	L. 33 Corey	400	1 85	"	"
G. J. Hardway	Hough, nr. Genesee	3,500	3 35	"	"
Anna M. Dodge	Bolton, nr. Hough	1,650	3 10	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Elizabeth Watts	Hough Pc., nr. Holt	$ 700	$ 1 70	Frame.	Dwelling.
S. H. Richardson	" " "	1,800	2 55	"	"
Jos. Bisler	37 Homer	600	2 20	"	"
W. G. Braunlich	L. 29 Doat	300	1 85	"	"
H. T. Mason	Hough, cor. Crawford	250	2 50	"	Barn.
G. L. Case	Malden, nr. St. Clair	700	2 10	"	Dwelling.
Emma H. Anderson	Crawford, nr. Tilden	3,500	3 55	"	"
German Ref. Church	Becker, cor. Lockyear	700	1 95	"	Chapel.
Jno. Knierim	Lockyear, nr. Becker	760	2 05	"	Dwelling.
A. B. Sherwin	R. 1560 Euclid	250	2 50	"	Barn.
F. L. Cody	No. Logan, nr. Republic	1,800	2 80	"	Dwelling.
F. L. Cody	" " "	2,000	2 90	"	"
J. P. Sobey	Hough, nr. Holt	1,500	2 65	"	"
Mrs. H. E. Davis	Park Pc., nr. Euclid	600	2 20	"	"
D. C. Winn	Tilden, nr. Euclid	2,000	3 75	"	"
Chas. Medhurst	L. 14 Princeton	1,200	2 44	"	"
W. A. Smith	Bolton, nr. Hough	3,300	4 30	"	"
J. B. Cobb	L. 1 Malden	700	1 50	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
J. B. Cobb	L. 2 Malden	$ 700	$ 1 50	Frame.	Dwelling.
"	L. 3 "	750	1 70	"	"
Mrs. S. C. Newberry	785 No. Logan	2,239	3 05	"	"
J. G. Frazer	775 Doan	2,074	3 20	"	"
C. H. Solomon	Crawford, nr. Hough	1,500	3 10	"	"
A. P. Simon	" " "	2,030	3 05	"	"
Geo. H. Weeks	718 Genesee	4,000	5 95	"	"
W. P. Murray	720 "	1,500	2 90	"	Barn.
Wm. Dwyer	L. 27 Malden	400	1 50	"	Dwelling.
H. T. Spencer	Fairmount, nr. Euclid	1,000	2 15	"	"
J. Freeman	Beauford, nr. Decker	800	1 90	"	"
Jno. Rachwein	Star, nr. E. Madison	900	2 30	"	"
Leonard Hillman	Harkness, nr. Crawford	525	1 60	"	"
Thos. Nelson	L. 3 Becker	400	1 55	"	"
M. Becker	Becker, nr. Superior	2,200	3 55	"	"
Jno. Melber	Montrose, nr. W. P. Ave	750	2 25	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
A. F. May	704 Bolton	$ 6,000	$ 5 95	Frame.	Dwelling.
J. S. Stevens	Hough Pc., nr. Harkness	2,500	3 30	"	"
Geo. Struber	S. L. 6 Becker	1,500	2 70	"	"
Woods, Jenks & Co.	Fairmount, nr. Euclid	600	5 70	"	Office, etc.
L. M. Southern	Wade Park Ave	2,700	4 05	"	Dwelling.
"	" "	2,700	4 05	"	"
"	" "	2,700	4 05	"	"
J. S. Wood	Hough, nr. Minerva	1,400	2 80	"	"
Mrs. J. S. Hastings	L. 17 Minerva	1,000	2 45	"	"
M. E. Williams	Crawford, nr. Hough	3,500	4 60	"	"
W. Folsom	Hough, nr. Bolton	1,900	3 40	"	Store and Tenement.
S. J. Bowman	S. L. 17 Harkness	1,200	2 10	"	Dwelling.
L. A. Roby	Genesee, nr. Crawford	6,000	6 45	"	"
C. L. Potter	L. 28 Kenmore	800	2 25	"	"
Margaret Carl	Becker, nr. Lockyear	900	2 90	"	"
R. L. Merrick	Kenmore, nr. Marcy	800	1 80	"	"
Jno. Schmegotzie	Woolsey, nr. St. Clair	370	1 55	"	"
Chas. Messer	L. 14 Grover	500	1 70	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mrs. A. J. Stewart	30 Hough Pc	$ 600	$ 2 30	Frame.	Dwelling.
C. A. Sturtevant	Lawrence Alt	400	1 55	"	"
Iva Adams	Hough, nr. Crawford	2,400	3 35	"	"
"	" "	2,400	3 35	"	"
"	Hough, nr. Hough Pc	2,400	3 35	"	"
"	" "	2,400	3 35	"	"
Mrs. S. A. Vanness	Hough, nr. Holt	1,400	2 50	"	"
Henry Norenbach	25 Montrose	550	1 75	"	"
Judd Carvey	23 Bulah	800	2 40	"	"
Chas. Bokofsky	Becker, nr. Superior	900	2 25	"	"
Jos. K. Bole	Ansel, nr. Superior	8,000	6 20	"	"
Caroline Schumacher	Malden, nr. Woolsey	900	2 20	"	"
Geo. Sell	E. Madison, nr. Starr	1,600	2 45	"	"
Edward Dudley	Lockyear, nr. Hodge	1,250	2 35	"	"
V. Schustrumpf	L. 3 Hodge	620	1 95	"	"
Wm. Teatz	L. 24 "	875	2 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
G. J. Hardway	S. S. Hough, nr. Genesee	$ 2,000	$ 3 20	Frame.	Dwelling.
C. Hawkins	7 Lockyear	400	2 80	"	Barn.
Jno. C. Smith	L. 24 Ansel	600	2 05	"	Dwelling.
F. C. Danforth	No. Logan, nr. Euclid	1,700	2 25	"	"
W. J. Crawford	L. 51 Kenmore	400	1 50	"	"
"	L. 52 "	400	1 50	"	"
"	L. 54 "	400	1 50	"	"
"	L. 58 "	400	1 50	"	"
"	L. 43 "	400	1 50	"	"
Jno. Havner	Decker, nr. Seedley	400	1 60	"	"
J. P. Curry	L. 15 Bolton	4,500	5 35	"	"
L. T. Dysert	Marcy, nr. Harkness	1,000	2 45	"	"
H. C. Skinner	L. 38 Kenmore	300	1 70	"	Dwelling and Barn.
G. L. Case	Malden, nr. St. Clair	500	1 90	"	Dwelling.
Jos. Mahlan	22 Hodge	725	1 80	"	"
W. W. Blandin	L. 57 Maud	400	1 55	"	"
Robt. McMasters	L. 33 Armour Ct	2,000	2 95	"	"
S. N. Grant	46 Corry	780	1 95	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
C. A. Sturtevant	L. 5 Maud	$ 400	$ 1 55	Frame.	Dwelling.
C. A. Sturtevant	L. 5 Maud	400	1 55	"	"
Geo. A. Fairchild	Kenmore, nr. Marcy	800	2 25	"	"
W. C. Hiatt	Crawford, nr. Hough	2,375	4 00	"	"
I. W. Metcalf	" " "	2,375	4 00	"	"
Chas. Dressler	Hodge, nr. Lockyear	1,000	2 65	"	"
J. W. Stewart	L. 1 Kenmore	650	2 20	"	"
W. J. Crawford	L. 95 Harkness	665	2 00	"	"
F. Leikert	Woolsey, nr. St. Clair	600	1 85	"	"
Chas. Abe	Hodge, nr. Lockyear	1,000	2 65	"	"
E. E. Strong	R. 82 Brookfield	250	1 40	"	Barn.
H. T. Skinner	Kenmore, nr. Marcy	250	1 65	"	Dwelling.
E. H. Shepard	793 Doan	900	2 55	"	"
B. F. Truesdell	L. 57 Maud	400	1 55	"	"
E. B. Tidd	Genesee, nr. Hough	3,500	3 80	"	"
L. M. Southern	Commonwealth	2,800	3 50	"	"
L. M. Southern	Vanness, nr. Stanley	2,800	3 50	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. S. Parkin	S. L. 31 Hough	$ 1,200	$ 2 35	Frame.	Dwelling.
Thos. Sobey	Marcy, nr. Harkness	1,200	2 50	"	"
N. D. Biddle	L. 15 Hough Pc	1,200	2 10	"	"
N. D. Biddle	L. 14 Hough Pc	1,200	2 10	"	"
Jos. Dollinger	Cornelia, nr. Hodge	250	1 50	"	"
C. A. Sturtevant	L. 21 Maud	450	1 50	"	"
Mary Van Gastel	Crawford, nr. Kenmore	1,000	2 95	"	"
Fred. Walker	L. 69 Hodge	475	1 60	"	"
Aug. Gaeb	Kenmore, nr. Crawford	730	1 90	"	Store and Barn.
Geo. L. DeWolf	E. Madison, nr. Lexington	2,000	2 15	"	Dwelling.
"	" " "	2,000	2 15	"	"
F. L. Cody	Logan Ct., nr. Euclid	1,600	2 45	"	"
"	" " "	2,000	3 55	"	"
A. Schneider	L. 28 Lockyear	900	2 30	"	"
Louis Rieth	L. 31 "	1,000	2 50	"	"
Edward Dissette	Wade Park Ave., nr. Vanness	2,100	2 85	"	"
G. Kregeline	Becker, nr. Superior	900	2 30	"	"
Gustav Scheffe	35 Lockyear	1,000	2 10	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
G. J. Hardway	Crawford, nr. Hough	$ 4,500	$ 4 40	Frame.	Dwelling.
Lillie M. Cleveland	Bolton, nr. Euclid	3,500	3 40	"	"
C. W. Hench	Malden, nr. St. Clair	900	1 95	"	"
M. Pfister	L. 52 Woolsey	1,000	2 30	"	"
H. H. Johnson	Brookfield, nr. Hough	1,500	3 25	"	"
L. N. Camp	275 Harkness	2,000	2 80	"	"
"	277 "	2,000	2 80	"	"
Jacob Barnhardt	22 Kenmore	600	1 85	"	"
J. W. Stewart	L. 8 Kenmore	600	2 00	"	"
C. H. Solomon	Crawford, nr. Hough	400	1 60	"	"
Geo. W. Richardson	S. L. 3 Hough Pc	1,200	2 40	"	"
Geo. W. Richardson	S. L. 2 "	1,500	2 40	"	"
M. J. Preston	L. 10 Blaine	400	1 85	"	"
Chas. Feil	L. 28 Hodge	600	1 85	"	"
G. L. Case	L. 29 Malden	900	2 00	"	"
G. L. Case	L. 30 "	900	2 00	"	"
Jno. Meaner	Crawford, nr. Hough	1,500	2 70	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
L. M. Southern	Commonwealth	$ 2,100	$ 3 00	Frame.	Dwelling.
W. J. Crawford	L. 62 Marcy	850	2 30	"	"
"	L. 107 "	850	2 30	"	"
"	L. 47 "	850	2 30	"	"
"	L. 80 Meriden	850	2 30	"	"
F. L. Cody	Woodward Pc., nr. Lamont	1,200	2 35	"	"
"	" " "	1,200	2 35	"	"
"	" " "	1,200	2 35	"	"
Louis Hoert	S. S. Hodge, nr. St. Clair	450	1 65	"	"
E. Wills	30 Aumer	450	1 55	"	"
Mary Funk	E. Madison, nr. St. Clair	800	2 10	"	"
Fred. Goodyear	L. 56 Kenmore	650	2 00	"	"
M. A. Parker	L. 16 Corey	600	1 90	"	"
C. A. Sturtevant	L. 158 Crumb	350	1 30	"	"
"	L. 25 Maud	700	1 85	"	"
"	L. 22 "	450	1 45	"	"
"	L. 23 "	550	1 70	"	"
"	L. 31 "	2,250	3 30	"	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Rahn	W. S. Becker, nr. St. Clair	$ 700	$ 2 10	Frame.	Dwelling.
Precilla B. Worswick	Hodge, cor. St. Clair	500	1 70	"	"
Mary Van Gastel	Crawford, nr. Kenmore	100	1 40	"	Barn.
Geo. W. Richardson	L. 26 Hough Pc	600	1 60	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
E. Holmes	2140 Euclid	1,900	3 00	Frame.	Interior.
Fred C. Bemis	720 Republic	500	1 00	"	Rooms.
Rev. Moffatt	715 N. Logan	200	1 00	"	Hall.
W. J. Crawford	Crawford, nr. Meriden	25	1 00	Stone.	Foundation.
Ernst Becker	L. 48 Malden	150	1 00	Frame.	Rooms.
W. B. Hillman	Republic, nr. Ansel	550	1 00	"	Dwelling.
Mrs. M. A. Scott	L. 94 Malden	100	1 00	"	Room.
T. C. Parsons	719 Harkness	1,200	3 00	"	Alterations.
J. King	1792 Euclid	1,000	1 00	"	Rooms.
W. H. Barris	774 Fairmount	2,000	5 00	"	"
A. Eberhart	72 Hodge	917	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
M. Becker	Lockyear, nr. Becker	$ 750	$ 1 00	Frame.	Rooms.
Frank Schultz	L. 330 Malden	80	1 00	"	"
A. Goodman	1702 Hough	150	1 00	"	"
Wm. Knifel	L. 46 Malden	25	1 00	"	Barn.
E. H. Shepard	793 Doan	75	1 00	"	Room.
C. A. Case	685 Princeton	1,000	3 00	"	"
H. F. Lawrence	Wade Park, nr. Isham	50	1 00	"	Shed.
L. T. Dysert	L. 6 Marcy	25	1 00	"	"
J. F. Gillen	356 Holt	30	1 00	"	Bath Room.
	Ward 20.				
Stone Bros	Garden, nr. C. & P. R'y	2,000	3 45	Brick.	Shoddy Mill.
Julia L. Jones	E. Prospect, nr. Euclid	5,300	6 00	"	Dwelling.
Wm. Hunger	19 Schiely Court	600	2 15	Frame.	"
K. Steigerwold	Baden Court	350	1 75	"	"
W. W. Walsh	64 Ashland	150	1 70	"	Shop.
Adam May	First Ave., nr. Garden	1,000	2 50	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Robt. Cubben	22 Jessie	$ 1,300	$ 3 85	Frame.	D. Dwelling.
Richard G. Lobb	L. 17 Chamberlain	750	1 85	"	Dwelling.
W. C. Ong	Cedar, nr. C. & P. R'y	700	3 65	"	Feed Store.
Jas. Smith	Glendale, nr. C. & P. R'y	175	1 20	"	Office.
Cleveland Woolen Mills Co.	Harriett, nr. Garden	400	4 50	"	Storage House.
W. J. Trinter	Willson, nr. Garden	300	2 00	"	Barn.
Geo. H. Lanuart	L. 244 1st Ave	1,000	2 20	"	Dwelling.
Andrew Hanf	R. 30 Chamberlain	150	1 50	"	"
Sanders Towsen	First Ave., nr. Garden	2,300	3 90	"	D. Dwelling.
W. J. Morgan	Glendale, nr. Cedar	1,700	3 00	"	"
H. Hamlin	R. 69 Ashland	40	1 25	"	Shed.
Jos. Lechner	45 Brooks	700	2 10	"	Dwelling.
Jno. Mooney	17 Mooney Ct	300	1 60	"	"
"	21 "	300	1 60	"	"
"	19 "	300	1 60	"	"
Fred Foss	33 Montgomery	1,000	2 50	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. J. Trinter	Willson, cor. Garden	$ 6,000	$ 6 50	Frame.	Dwelling.
Frank J. Staral	" "	5,500	7 65	"	"
B. J. Mead	947 Willson	175	2 60	"	Shop.
Mrs. E. J. Warner	Brenton, nr. Garden	1,200	2 65	"	Dwelling.
W. C. Lambert	1043 First	350	1 55	"	Barn.
Geo. Gordon	34 Montgomery	600	1 70	"	Dwelling.
Aug. Menke	S. L. 36 Montgomery	750	3 20	"	"
C. E. French	Garden, nr. New	2,500	3 70	"	"
"	" "	2,500	3 70	"	"
"	" "	2,500	3 70	"	"
Levi Wherry	R. 371 E. Prospect	300	1 95	"	Barn.
Victor Gutzwiler	E. S. Euclid Pc., nr. Euclid	4,000	4 30	"	Dwelling.
M. Van Boxel	23 Montgomery	575	1 65	"	"
Jacob Steinfeld	1283 Willson	2,100	3 90	"	Barn.
Mrs. Chatterton	Plymouth Pc., nr. Cedar	1,600	2 55	"	Dwelling.
Jno. Grant	10 Glendale	2,800	3 30	"	D. Dwelling.
A. B. Van Cleve	Hawthorn, nr. Willson	1,300	2 85	"	Barn.
Jas. Mooney	21 Richland	564	1 35	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Standard Tool Co.	Garden, nr. C. & P. R'y	$ 100	$ 1 35	Frame.	Store Room.
Rosa Stupka	R. Brooker, nr. Garden.	500	1 80	"	Dwelling.
Kelley Island Lime & T. Co.	R. 1211 Euclid	1,200	4 35	"	Ware House.
Taylor & Boggis Foun'y Co.	Euclid, nr. C. & P. R'y	3,500	7 05	"	Foundry.
F. L. Cody	Plymouth Pc., nr. Brenton	1,200	2 35	"	Dwelling.
"	" " "	1,800	2 80	"	"
"	" " "	1,800	2 80	"	"
"	" " "	1,800	2 80	"	"
"	" " "	1,200	2 35	"	"
"	" " "	1,800	2 60	"	"
"	" " "	2,000	2 95	"	"
Lizzie A. Evans	E. Prospect, nr. Euclid	6,000	6 65	"	"
Louisa Luther	Parker, cor. Montgomery	775	2 05	"	"
J. H. Clark	Arnet, nr. Cedar	1,150	2 25	"	"
W. H. Price	Hawthorn, nr. Willson	95	1 35	"	Barn.
Henry Kessler	Second, nr. 4th	3,000	4 15	"	Dwelling.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
O. C. Alling	Euclid Pc., nr. Euclid	$ 2,000	$ 2 80	Frame.	Dwelling.
Mrs. O. Verhuben	New, nr. Garden	3,100	5 30	"	"
H. H. Baxter	R. 1950 Euclid	850	2 25	"	Barn.
Prospect R. M. Co	Garden, nr. So. Dunham.	300	1 45	"	Office.
C. H. Jenks	R. 121 Second	150	1 80	"	Barn.
Mrs. H. D. Day	Second, nr. Fourth	1,400	2 30	"	Dwelling.
F. L. Cody	Plymouth Pc.	1,200	2 40	"	"
"	"	1,200	2 40	"	"
"	"	1,200	2 40	"	"
"	"	1,200	2 40	"	"
"	"	1,200	2 40	"	"
G. R. Canfield	Willson, nr. Quincy	6,000	7 50	"	"
R. B. Shaw	R. 92 Brooker	100	1 45	"	Barn.
J. Sasek	Quincy, nr. Parker	2,130	4 70	"	Store and Tenement.
Henry Kessler	Ashland, nr. Garden	1,200	2 15	"	Dwelling.
F. L. Cody	Plymouth Pc.	1,200	2 40	"	"
"	"	1,200	2 40	"	"
"	"	1,200	2 40	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
F. L. Cody	E. Madison, nr. Garden	$ 3,500	$ 3 80	Frame.	Dwelling.
C. J. Ernig	90 Brenton	2,500	3 25	"	"
J. Sasek	R. Quincy, nr. Parker	125	1 20	"	Barn.
Albert Deaper	Giddings, nr. Cedar	1,400	2 80	"	Dwelling.
Mary P. Morgan	85 Second	10	1 10	"	Shed.
T. R. Hill	Cedar, nr. Brenton	3,000	4 15	"	Dwelling.
F. L. Cody	Plymouth Pc	2,000	2 65	"	"
"	"	2,000	2 65	"	"
Eliza Hewitt	Cedar, nr. Brenton	3,800	3 40	"	"
Mrs. J. B. Coleman	Lodge, nr. Garden	700	2 30	"	"
Chas. Stabb	Parker, nr. Garden	600	1 90	"	"
W. J. Lenhart	33 Richland	900	2 00	"	"
J. Volans	Plymouth Pc	2,000	3 15	"	"
I. N. Topliff	E. Prospect, nr. Euclid Pc	5,500	5 30	"	"
W. C. Stewart	" " "	5,000	6 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
C. F. Morehouse	E. Prospect, nr. Euclid	$ 1,100	$ 3 10	Frame.	Barn.
Mrs. C. Helmrich	N. S. Quincy, nr. Willson	2,700	3 60	"	Dwelling.
Jos. Kleinschmitz	1348 Garden	2,000	3 10	"	Store and Tenement.
Jno. Mares	Lexington, nr. Garden	1,500	2 85	"	Dwelling.
Jos. Voland	70 Lussenden	200	1 25	"	Store.
G. H. Lannert	Garden, cor. First	2,500	5 35	"	D. Dwelling.
Emma Marley	L. 41 Brenton	1,335	2 50	"	Dwelling.
Chas. A. Nelson	Giddings, nr. Cedar	1,800	3 25	"	"
Unis R. Walker	" " "	1,700	2 90	"	"
M. A. Bradley	Cedar, nr. C. P. R'y	1,000	2 25	"	"
"	" " "	1,000	2 25	"	"
Gray & Patterson	E. Prospect, nr. Giddings	3,500	4 30	"	"
" "	" " "	3,500	4 30	"	"
F. L. Cody	Plymouth Pc.	1,800	2 35	"	"
"	"	2,000	3 55	"	"
Jno. H. Dremann	W. S. Irvington	1,000	2 30	"	"
Daniel Wank	Harriet, nr. Harnett	350	1 50	"	"
Hills & Murphy	E. Prospect, nr. Euclid Pc.	2,000	3 10	"	Office, Etc.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. Spangler	L. 6 Baden	$ 700	$ 2 55	Frame.	Dwelling.
Chas. Ruprecht	N. S. Cedar, nr. Giddings	4,000	5 00	"	"
Jas. Carey	E. S. Brenton, nr. Garden	1,150	2 10	"	"
F. L. Cody	Cedar, cor. Plymouth	2,500	3 15	"	"
J. P. Abbott	35 Jessie	700	2 15	"	"
M. B. Garry	R. 275 E. Prospect	350	2 15	"	Barn.
Peter Stedronsky	Quincy, nr. Oakdale	125	1 55	"	Dwelling.
Wood, Hanna & Co.	1227 Euclid	225	4 40	"	Shed.
M. B. Garry	R. 275 E. Prospect	350	2 15	"	Barn.
Ralph Gray	E. Prospect, nr. Euclid Pc.	5,000	5 90	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
W. W. Beacom	36 Richland	191	1 00	Frame.	Alterations.
Nat'l Safe & Lock Co.	Craw., nr. C. & P. R'y	5,000	11 00	Brick.	Manufactory.
Jno. F. Groser	89 E. Prospect	50	1 00	Frame.	Kitchen.
Wm. Pickering	93 Brooker	100	1 00	"	"
Geo. Klink	1032 First	250	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Doyle	Giddings, nr. Cedar	$ 175	$ 1 00	Frame.	Shop.
H. Goodyear	Brenton, nr. Garden	50	1 00	"	Barn.
F. L. Cody	Plymouth Pc	100	1 00	"	Room.
H. Hopenskeip	30 Montgomery	70	1 00	"	Porch.
Mrs. H. Groff	28 "	80	1 00	"	Room.
E. H. Perdue	1129 Willson	300	1 00	"	"
Chandler & Price	E. Prospect, nr. C. P. R'y	1,200	3 00	"	Store Room.
Frank Pleveney	Garden, nr. Lussenden	500	1 00	"	Rooms.
German M. E. Mission	Lussenden, nr. Quincy	250	1 00	"	"
A. Michelbrink	18 Jessie	400	1 00	"	"
Wm. Sharp	21 Slater	250	1 00	"	Kitchen.
Jno. Griger	1038 First	1,800	3 00	"	Rooms.
Anton Sraton	Garden, nr. E. Madison	15	1 00	"	Shed.
Jno. Helreigel	4 Parker	95	1 00	"	Kitchen.
Wm. Rauch	41 Brooker	125	1 00	"	"
I. N. Topliff	1331 Euclid	200	1 00	"	Room.
Prospect R. M. Co.	Garden, nr. C. P. R'y	500	1 00	"	Mill.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jas. Smith	So. Dunham, nr. Cedar	$ 50	$ 1 00	Frame.	Shed.
Robt. Mylkreest	97 Brooker	100	1 00	"	Kitchen.
Jno. Kubik	R. 1370 Garden	200	1 00	"	Rooms.
Mrs. Hoffman	Cedar, cor. Watkins	110	1 00	"	"
	Ward 21.				
J. S. Stevens	Cedar, nr. Logan	6,000	6 85	Brick.	Stores and Dwelling.
Geo. W. Morgan	Euclid, cor. Lincoln	12,000	8 40	Stone.	Dwelling.
J. Masury	Lincoln, nr. Garden	50	1 25	Frame.	Shop.
Mrs. M. Saxton	660 E. Prospect	825	2 10	"	Dwelling.
Jas. Kiser	Lincoln, nr. Cedar	2,200	3 60	"	"
" "	" "	2,200	3 60	"	"
Ida Herman	66 So. Bell	1,800	3 45	"	"
" "	68 "	1,600	3 45	"	"
R. H. Boggis	E. Prospect, nr. Lincoln	3,500	3 90	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. Monroe	So. Logan, nr. Quebec	$ 800	$ 1 95	Frame.	Dwelling.
Jno. Potranek	Garden, cor. Lincoln	3,500	8 60	"	Hall and Store.
Jos. Marusch	33 Edwards	1,000	2 20	"	Dwelling.
F. S. Cody	Bolton, nr. E. Prospect	50	1 40	"	Barn.
J. H. Worley	Hillburn, nr. Euclid	3,500	3 90	"	Dwelling.
J. S. Stevens	Cedar, nr. Burt	2,350	3 50	"	"
"	Burt, nr. Cedar	2,100	3 20	"	"
"	" "	1,700	2 70	"	"
Lottie Gimmel	E. Madison, nr. Garden	475	1 75	"	"
Joe. Birnhauzl	L. 407 Amos	600	1 90	"	"
D. H. Tilden	Willburn, nr. Cutler	2,000	3 45	"	"
F. B. Preston	R. 99 Streator	100	1 65	"	Barn.
Chas. F. Mabery	Adelbert, nr. Euclid	4,500	3 97	"	Dwelling.
C. L. Warriner	52 Streator	2,500	3 90	"	"
Jas. Sauter	E. Madison, nr. Cedar	1,500	3 30	"	"
Anton Prochaska	Lucy, nr. Edwards	1,100	2 80	"	"
A. Burgat	Lincoln, nr. Quincy	1,400	3 30	"	"
T. B. Crawford	Cedar, nr. Bolton	3,800	5 10	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
W. H. Doan	Streator, nr. Euclid	$ 6,000	$ 4 60	Frame.	Dwelling.
W. H. Teare	L. 10 Hillburn	350	2 10	"	Barn.
Jas. Stevens	43 So. Bell	1,000	2 15	"	Dwelling.
P. D. Briggs	Stark, nr. Cedar	2,200	3 50	"	"
G. W. Downer	Lincoln, nr. Euclid	2,500	3 45	"	"
"	" "	2,500	3 45	"	"
A. D. Bate	Lincoln, nr. E. Prospect	3,000	3 55	"	"
Wellington Tea	Lincoln, nr. E. Madison	1,500	2 85	"	"
Jos. Bolek	" "	1,100	2 45	"	"
Sam'l Russell	Sayles, nr. Cedar	1,450	2 90	"	"
J. S. Stevens	Burt, nr. Cedar	250	1 50	"	Barn.
"	Cedar, nr. Burt	250	1 50	"	"
A. J. Marsh	Bolton, nr. E. Prospect	200	1 45	"	"
"	Lincoln, nr. Cedar	1,800	2 45	"	Dwelling.
Jno. W. Schuster	1737 Cedar	4,195	4 55	"	Store and Tenement.
F. L. Cody	Streator, nr. Cedar	1,500	2 25	"	Dwelling.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
T. W. Hill	E. Madison, nr. Euclid	$ 3,500	$ 4 20	Frame.	Dwelling.
W. H. Teare	Hillburn, nr. Euclid	4,500	6 05	"	"
Edward Fudge	Arthur, nr. Doan	1,000	2 30	"	"
Robt. Quigley	974 Doan	1,000	2 30	"	"
"	976 "	1,000	2 30	"	"
H. Schaubacher	1036 "	475	1 40	"	"
W. H. Van Tine	S. S. Euclid, nr. Hillman	5,000	7 10	"	"
G. W. Downer	869 Lincoln	2,500	3 65	"	"
Jos. Pech	R. 1536 Garden	75	1 35	"	Barn.
East C. R. R. Co.	Quincy, cor. Bolton	1,000	9 30	"	Car Barn.
East C. R. R. Co.	Quincy, nr. Bolton	1,000	7 25	"	Horse Barn.
L. N. Camp	E. S. Bell, nr. Euclid	1,800	3 55	"	Dwelling.
"	" "	1,800	3 55	"	"
E. Briggs	So. Bell, nr. Cedar	1,000	2 15	"	"
Mrs. S. S. Fenton	Lincoln, nr. Cedar	1,000	2 65	"	"
"	" "	1,000	2 65	"	"
Chas. Pethick	Sayles, nr. Cedar	1,000	2 10	"	"
M. A. Coyne	1377 Cedar	450	1 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
L. Kimball	N. Y. C. S. R. R., nr. Arthur	$ 150	$ 1 20	Frame.	Lunch Room.
Benj. B. Bilky	Cedar, nr. Fairmount	700	1 85	"	Dwelling.
L. Herman	So. Bell, nr. Quincy	1,200	2 15	"	"
"	" "	1,200	2 15	"	"
J. W. McCure	Sayles, nr. Frank	1,200	3 10	"	"
W. H. Cowley	920 E. Madison	750	2 45	"	"
Theo. M. Bates	Mayfield, nr. Euclid	3,500	4 25	"	"
W. W. Carlisle	Cedar, nr. Lincoln	300	2 10	"	Barn.
G. H. Bailey	877 Bell	1,050	2 25	"	Dwelling.
Jno. Plebel	135 Carran	150	1 40	"	"
Anthony Macho	Amos, nr. E. Madison	650	1 90	"	"
Wm. H. Clayton	123 Vienna	1,800	3 00	"	"
Mrs. Salter	222 Streator	2,000	3 00	"	"
R. K. Pelton	Cornell, nr. Euclid	3,000	3 60	"	"
O. A. Coltman	Mayfield, nr. Euclid	1,600	2 55	"	"
Anton Svoboda	Garden, nr. Edwards	830	2 50	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Cecelia Jaynes	E. Prospect, nr. E. Madison	$ 1,800	$ 3 15	Frame.	Dwelling.
W. H. Cobbledick	So. Logan, nr. Quebec	1,000	2 40	"	"
J. W. Lawler	Norman, nr. Doan	1,200	1 95	"	"
H. A. Kelley	Cornell, nr. Euclid	5,000	5 20	"	"
E. Briggs	62 So. Bell	1,000	2 15	"	"
Jno. Dohlman	Oakdale, nr. Cedar	2,500	3 40	"	"
W. E. Parmelee	Deering, nr. Fairmount	970	2 25	"	"
D. A. Parmelee	" "	970	2 25	"	"
H. F. Loomis	E. Prospect, nr. Lincoln	2,500	4 05	"	"
J. S. Stevens	Oakdale, nr. Euclid	3,800	3 85	"	"
L. Herman	Wilbur, nr. Cutler	2,000	3 50	"	"
J. H. Rhodes	1 E. Madison, nr. Garden	1,200	2 35	"	"
"	2 " "	1,200	2 35	"	"
Chas. Leinninger	So. Logan, nr. Quebec	1,300	2 85	"	"
Euclid Light Infantry	Logan, nr. Cedar	13,000	.....	"	Armory.
C. M. Mix	40 Deering	800	2 20	"	Dwelling.
Mike Holecki	Quebec, nr. Quincy	380	1 80	"	"
Chas. Eppenbach	L. 57 Bertram	650	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
L. Lyman	Wilbur, nr. Cutler	$ 2,900	$ 4 55	Frame.	Dwelling.
R. T. Holden	Cedar, nr. E. Madison	2,600	3 65	"	"
"	" "	2,700	3 65	"	"
Kate Redding	L. 211 So. Bell	900	2 25	"	"
J. S. Stevens	W. S. Oakdale, nr. Quincy	1,200	2 15	"	"
"	" " "	1,200	2 15	"	"
"	" " Cedar	2,250	3 00	"	"
"	" " "	2,250	3 00	"	"
G. W. Downer	E. Prospect, nr. Lincoln	2,500	2 95	"	"
R. T. Holden	Cedar, cor. E. Madison	2,500	3 65	"	"
Thos. Hannon	Norman, nr. Doan	1,200	1 95	"	"
Mary Wirth	" "	1,200	1 95	"	"
Joseph Wolf	Edwards, nr. Garden	300	1 50	"	"
Frank Hucek	L. 14 Quebec	350	1 80	"	"
C. A. Adams	Streator, nr. Euclid	2,000	3 80	"	"
A. J. Marsh	1376 Cedar	4,000	4 95	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mills & Drake	148 Cedar	$ 40	$ 1 35	Frame.	Barn.
A. W. Parsons	Cornell, nr. Euclid	2,400	3 45	"	Dwelling.
W. Dunbar	" "	2,800	4 05	"	"
Chas. Meade	Bertram, nr. Garden	300	1 70	"	"
A. E. Moses	R. 1859 Euclid	900	2 85	"	Barn.
David Driesbach	Frank, nr. W. Hills	500	3 20	"	Barn and Dwelling.
L. Stahl	Centennial, nr. Wilbur	2,500	3 25	"	Dwelling.
J. S. Stevens	Oakdale, nr. Euclid	3,000	3 55	"	"
L. Herman	276 So. Bell	1,400	2 15	"	"
Frank Legnart	1547 Garden	600	2 65	"	"
A. Herzberg	Quincy, nr. Edwards	500	2 10	"	"
W. A. Leiter	74 Bertram	650	1 75	"	"
Jennie G. Dolman	Bell, nr. Cedar	1,500	2 60	"	"
E. Briggs	1 Deering	1,500	2 15	"	"
Sam'l De Graw	S. L. 6 Oakdale	1.725	2 85	"	"
F. N. Tryon	Hudson, nr. Doan	600	1 55	"	"
Martin Suzl	Bertram, nr. Garden	300	1 35	"	"
Alvord & Barnes	E. Madison, nr. E. Prospect	2,000	3 05	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Alvord & Barnes	E. Madison, nr. E. Prospect	$ 2,000	$ 3 05	Frame.	Dwelling.
P. R. Everett	Euclid, nr. Oakdale	4,500	5 85	"	"
Mrs. Hewitt	Oakdale, nr. Euclid	3,000	3 15	"	"
J. Mansur	13 Quebec	750	2 15	"	"
J. S. Stevens	Oakdale, nr. Cedar	2,400	3 20	"	"
"	" " "	2,400	3 20	"	"
"	" " "	2,400	3 20	"	"
"	" " "	2,000	3 00	"	"
"	" " "	1,800	2 80	"	"
Jno. Bender	Hudson, nr. Doan	700	1 75	"	"
L. Herman	280 So. Bell	1,400	2 15	"	"
D. W. Kennedy	4 Sayles Court	1,200	2 60	"	"
Melvina Clark	209 So. Bell	1,200	2 30	"	"
G. W. Downer	W. S. Bolton, nr. Cedar	3,000	3 60	"	"
B. Schatzinger	Norman, nr. Doan	1,200	1 95	"	"
"	" " "	1,200	1 95	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
F. L. Cody	Cedar, nr. Streator	$ 2,500	$ 3 10	Frame.	Dwelling.
"	" " "	2,500	3 10	"	"
Alice Newman	103 Vienna	3,000	4 40	"	Dwelling and Barn.
A. M. Lowe	R. 832 Doan	700	1 90	"	Dwelling.
Rich & Monroe	L. 54 S. Logan	1,100	2 10	"	"
W. S. Sheatzley	N. S. Hudson, nr. Arthur	400	1 95	"	Barn.
W. H. Doan	W. S. Doan, nr. Frank	800	2 40	"	Dwelling.
Jno. W. Dolman	Bell Ave., nr. Cedar	1,500	2 60	"	"
C. S. McKim	W. S. Streator, nr. Cedar	4,000	6 40	"	Dwelling and Barn.
	ADDITIONS AND ALTERATIONS.				
Aug. Napersteck	So. Bell, nr. Quincy	300	.....	Frame.	Rooms.
F. L. Cody	Streator, nr. Cedar	550	1 00	"	"
Wm. Evis	Sayles, nr. Cedar	112	1 00	"	Store Front.
I. N. Sherman	118 Quebec	300	1 00	"	Rooms.
A. Quayle	882 Doan	50	1 00	"	"
J. D. Tuttle	902 Fairmount	150	1 00	"	"
Mrs. Cecilia Janes	E. Prospect, nr. E. Madison	1,600	3 00	"	"
I. P. Chandler	69 So. Bell	125	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
David A. Boyd	24 So. Bell	$ 425	$ 1 00	Frame.	Rooms.
Emanuel Prot. Epis. Ch.	1649 Euclid	2,500	5 00	"	"
C. H. Bonskay	72 Vienna	125	1 00	"	"
Alfred Paul	587 Quincy	400	1 00	"	"
Wm. Floods	933 Oakdale	100	1 00	"	"
E. H. Holter	R. 1480 Cedar	80	1 00	"	Shed.
Cecilia Jaynes	E. Prospect, nr. E. Madison	275	1 00	"	Rooms.
D. G. Stese	912 So. Logan	50	1 00	"	"
D. O. Caswell	1902 Cedar	50	1 00	"	"
W. H. Cobbledick	995 So. Logan	350	1 00	"	"
Jas. Gilbert	193 Bertram	50	1 00	"	"
J. Hallaner	993 Oakdale	150	1 00	"	"
Mrs. J. A. Dolman	158 So. Bell	1,000	3 00	"	"
Mary Johncock	1522 Garden	175	1 00	"	"
T. D. Beck	R. 1580 Cedar	150	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
F. Laughlin	194 Bell	$ 40	$ 1 00	Frame.	Rooms.
Fred. Kimberly	893 Doan	250	1 00	"	"
H. M. Briggs	85 Bell	500	1 00	"	"
Jno. Sayles	E. S. Sayles, nr. Quebec	500	1 00	"	"
Jno. Schuster	1733 Cedar	225	1 00	"	"
L. A. Saunderson	1482 Cedar	150	1 00	"	Kitchen.
	Ward 22.				
T. A. Weed	Woodland Ave. Cemetery	1,363	1 05	Stone.	Vault.
P. Daley	St. Joseph Cemetery	3,500	1 10	"	"
Sisters of Notre Dame	Woodland Ave. Cemetery	2,200	1 40	"	"
L. Schlather	Willson, nr. Woodland	11,500	16 80	Brick.	Dwelling.
Cleveland School F. Co.	Herald, nr. Woodland	700	2 25	"	Engine House.
Brooklyn St. R. R.	Scovill, cor. Florence	5,000	11 10	"	Power House.
Nat'l Tack & Screw Co.	Stanton, nr. Judson	15,000	27 25	"	Manufactory.
M. A. Saxe	1099 Woodland	1,575	4 25	"	Store and Tenement.
Cleveland Mall. Iron Co.	Platt nr. C. P. Ry	2,500	11 10	"	Manufactory.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
R. J. Clements	Willson nr. Ensign	$ 4,500	$ 12 55	Frame.	Tenements.
A. Fuller	R. 1214 Woodland	125	1 35	"	Barn.
C. Alexander	102 Stanton	1,000	1 90	"	Dwelling.
C. M. Mix	Judson nr. Sherman	550	2 00	"	"
Rev. Wm. Horn	Slater nr. Woodland	3,000	3 95	"	"
J. R. Decker	1430 Woodland	125	1 25	"	Ice House.
R. B. Sharp	First nr. Quincy	1,500	2 40	"	Dwelling.
Chas. A. Tropf	L. 130 Grand	600	2 05	"	"
S. Deutsch	E. Madison nr. Rawlings	1,900	3 00	"	Dwelling and Barn.
Jno. Klee	L. 11 Kinsman	1,000	3 25	"	Dwelling.
C. Kyle	1132 Giddings	450	2 35	"	"
Phil. Harbold	L. 37 Colfax	375	1 50	"	"
Anton Zaralinik	L. 36 Colfax	750	2 25	"	"
Jenny Bammerlin	79 Sherman	300	1 40	"	Barn.
Tersa Warner	41 Sherman	400	1 45	"	Dwelling.
Mary Wright	245 Grant	300	1 00	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Frank Kysela	L. 1, Kinsman	$ 900	$ 2 15	Frame.	Dwelling.
"	L. 2, Kinsman	950	2 35	"	"
Thos. Dugan	Outhwaite, nr. Jasper	300	1 90	"	Barn.
A. J. Dunn	5 Cemetery	800	2 05	"	Dwelling.
Jas. Carlin	1415 Woodland	1,500	3 50	"	Store and Tenement.
Stanislaus Gorisovsky	E. Madison, nr. Thayer	1,100	2 55	"	D. Dwelling.
Mary Meckel	E. Madison, nr. Grand	800	2 60	"	Dwelling.
G. P. Geib	86 Holton	500	1 75	"	"
M. Murphy	R. 8 Beaver	50	1 35	"	Barn.
Wm. Schwemler	Fairbank, nr. Kinsman	700	2 20	"	Dwelling.
Jno. E. Turner	1091 First ave	1,500	2 90	"	"
Grades Seckel	N. E. ave., nr. Herald	200	1 55	"	"
Mrs. Lang	Beaver, nr. Nicola	455	1 60	"	"
Chas. F. Roth	Colfax, nr. N. E. ave	600	1 80	"	"
Jas. Leonard	58 Colfax	235	1 45	"	"
H. Walsh	Giddings nr. Woodland	600	1 55	"	"
Jno. Callahan	483 Kinsman	1,600	2 40	"	"
Geo. Gemhardt	Florence, cor. Scoville	500	1 50	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
E. L. Patterson	Quincy, nr. Willson	$ 3,000	$ 3 70	Frame.	Dwelling.
C. M. Mix	Sherman, nr. Quincy	600	1 85	"	"
"	" " "	600	1 85	"	"
"	" " "	600	1 85	"	"
Isaac Scheuer	Colfax, nr. Fairbank	500	1 70	"	"
"	" " "	500	1 70	"	"
"	" " "	500	1 70	"	"
"	" " "	500	1 70	"	"
Rudolph Eisenman	148 Florence	2,800	4 65	"	"
Albert Krueger	88 N. E. Ave	550	2 05	"	"
Volatin Kress	Holton, nr. Herald	450	1 80	"	"
E. C. Hoffman	1230 E. Madison	815	2 30	"	"
Cleveland School F. Co	Guard, nr. Woodland	900	4 05	"	Ware House.
J. S. Stoneman	Grand, nr. Kinsman	500	3 40	"	Shop.
Sol. Cogan	52 Wabash	900	2 20	"	Dwelling.
Jno. Hanchel	18 N. E. Ave	400	1 50	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
J. Valliquette	Beaver, nr. Pier	$ 500	$ 1 75	Frame.	Dwelling.
Chas. Guttman	Colfax, nr. Sharon	700	1 90	"	"
Wm. Wolff	" " "	800	1 90	"	"
Henry Mueller	421 Kinsman	1,000	2 25	"	"
F. E. Deike	Giddings, nr. Platt	1,300	2 45	"	"
W. Straugward	R. 1072 Woodland	500	2 15	"	"
M. Mueller	Holton, nr. E. Madison	800	2 00	"	"
Wm. B. Hopkins	Woodland, nr. Pier	2,500	3 90	"	"
Andrew Korthalz	Colfax, nr. Herald	500	1 90	"	"
L. K. Carroll	Colfax, nr. Chapon	450	1 65	"	"
Henry Meley	Chester, nr. Woodland	1,500	2 50	"	"
Evangelical Church	E. Madison, nr. Rawlings	1,500	2 40	"	Parsonage.
Henry Paul	1566 E. Madison	1,200	2 75	"	Dwelling.
Maria E. Gray	R. 110 Quincy	500	1 50	"	"
C. M. Mix	Sherman, nr. Quincy	700	1 65	"	"
"	" " "	700	1 65	"	"
"	" " "	700	1 65	"	"
Chas. Fagan	1423 Woodland	1,200	2 35	"	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
A. Bonar	34 Wilcutt	$ 150	$ 1 15	Frame.	Green House.
Sidney Nicholas	Colfax, nr. Herald	200	1 35	"	Dwelling.
Jacob Krauter	Slater, cor. Outhwaite	300	2 10	"	Shop.
Reinhardt Schmidt	Colfax, nr. Sharon	500	1 95	"	Dwelling.
Chas. Alexander	104 Stanton	500	1 85	"	"
Jonas Mancke	N. S. Colfax, nr. Fairbank	600	1 75	"	"
"	" " " "	600	1 75	"	"
"	" " " "	600	1 75	"	"
"	" " " "	600	1 75	"	"
"	12 Cobleigh	500	1 65	"	"
	ADDITIONS AND ALTERATIONS.				
C. O. Evarts	1429 Willson	400	1 00	Frame.	Interior.
J. F. Wahl	25 Geneva	30	1 00	"	Kitchen.
N. L. Moody	543 Kinsman	150	1 00	"	"
S. Beckwith	Guard, nr. Dell	700	1 00	"	Shop.
H. A. Sherwood	25 Brown	290	1 00	"	Rooms.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
E. L. Riche	Slater, cor. Woodland	$ 800	$ 1 00	Frame.	Rooms.
Wm. Foss	310 Grand	300	1 00	"	"
Jno. Keys	Woodland, nr. Geneva	300	1 00	"	"
Harry Clague	16 Dyke	100	1 00	"	Kitchen.
Aug. Marnet	7 Wagner	150	1 00	"	"
M. Halpin	9 Goldsmith Ct	300	1 00	"	"
S. Beckwith	Herald, nr. Dell	150	1 00	"	Store Room.
S. Jane Prowl	31 Florence	15	1 00	"	Shed.
Paul Lechner	1909 E. Madison	150	1 00	"	Kitchen.
Jno. Marsh	33 Wilcutt	650	1 00	"	Store and Tenement.
Clevd. School F. Co.	L. 83 Herald	240	1 00	"	Shop.
J. L. Hahn	R. 843 Scovill	300	1 00	"	Rooms.
Wm. M. Bane	1038 Giddings	300	1 00	"	Kitchen.
Peter Satler	212 Outhwaite	600	1 00	"	Parlor.
Wm. Sherwood	R. 1385 Woodland	60	1 00	"	Barn.
Caroline Duesler	95 Grand	250	1 00	"	Rooms.
J. Dieder	9 Haltnorth	35	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Mrs. W. C. Morris	55 Sherman	$ 450	$ 1 00	Frame.	Rooms.
Annie Merchek	42 Chester	525	1 00	"	"
Geo. Heinzerling	12 "	975	1 00	"	"
F. Busser	1144 Woodland	30	1 00	"	Shed.
Frank Chimick	69 Slater	155	1 00	"	Kitchen.
J. Graubbian	30 Beaver	200	1 00	"	Rooms.
Latimer & Moore	9 Cobleigh	1,400	3 00	"	Shop.
A. Kolb	411 Kinsman	1,350	3 00	"	Store and Tenement.
Jacob Bersch	23 Florence	300	1 00	"	Bath Room.
Julius Nightsell	Dike, nr. Outhwaite	75	1 00	"	Rooms.
Theo. Wedler	9 Fairbank	25	1 00	"	Kitchen.
Mall. Iron Co.	Platt, nr. C. & P. Ry	500	1 00	Brick.	Office.
Jno. Voegler	471 Kinsman	1,000	3 00	Frame.	Rooms.
Standard F. & M. Co.	Herald, nr. Grand	900	1 00	"	Foundry.
Wm. Kleuer	30 Colfax	150	1 00	"	Room.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Clevd. Mall. I. Co.	E. Madison, nr. C. & P. Ry.	$ 5,700	$ 11 00	Brick.	Foundry.
Geo. Kanalia	Kinsman, nr. Sharon	25	1 00	Frame.	Shed.
Frank Lyon	457 Scovill	300	1 00	"	Rooms.
Chas. Welker	170 Colfax	25	1 00	"	Gable.
C. W. Hauth	38 Rawlings	200	1 00	"	Rooms.
G. A. McAlpin	152 Colfax	200	1 00	"	Kitchen.
Clevd. Mall. I. Co.	Platt, nr. C. & P. Ry.	300	1 00	Brick.	Shop.
Robt. Zwicker	44 Wilcutt	65	1 00	Stone.	Foundation.
Standard F. & M. Co.	Herald, cor. Grand	900	1 00	Frame.	Japanning Room.
W. A. Hawley	547 Kinsman	200	1 00	"	Rooms.
	Ward 23.				
Glidden & Joy	C. & P. R. R., and N. P. R. R.	1,000	1 60	Brick.	Manufactory.
" "	" " "	2,200	4 10	"	"
Cleveland Varnish Co.	Rockland, nr. Kinsman	18,000	13 05	"	Office, etc.
Sisters of Good Shep'd	Woodland Ave.	3,000	1 35	Stone.	Vault.
E. C. Green	E. Madison, nr. Rawlings	425	1 45	Frame.	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
E. C. Green	E. Madison, nr. Rawlings	$ 425	$ 1 45	Frame.	Dwelling.
"	" " "	425	1 45	"	"
Wm. Wood	Vanek, nr. Kinsman	600	1 75	"	"
D. B. Van Dorn	Holton, nr. Schieley	300	1 60	"	"
W. H. Wolden	125 Edwards	550	1 75	"	"
David Brown	L. 155 Cumberland	800	2 00	"	"
F. Pedal	Frederick, nr. Congress	490	1 95	"	"
Jno. Plantner	" " "	475	1 85	"	"
Thos. and Mary Conley	Beckwith, nr. Bristol	555	1 90	"	"
C. H. Dunbar	Lincoln, nr. Platt	1,000	2 50	"	"
"	" " "	1,000	2 50	"	"
R. Bender	Frederick, nr. Congress	600	1 75	"	"
Jas. Egermayer	Quincy, nr. Bolton	400	1 90	"	"
S. Byrnes	L. 53 Ellsworth	500	1 90	"	"
Jos. Tyla	Southern, nr. Quincy	1,000	2 80	"	"
Frank Kruby	S. L. 82 Woodland	500	2 75	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Wm. Corlett	Southern, nr. Quincy	$ 800	$ 2 00	Frame.	Dwelling.
Mike Pishkula	L. 6 Cliff	650	2 30	"	"
Barber Cibulac	Bolton, nr. Quincy	550	1 80	"	Store and Dwelling.
Louis Gazelle	Ambler, nr. Woodland	325	1 95	"	Dwelling.
F. H. Jackson	Holton, nr. Ambler	400	1 45	"	"
"	" " "	400	1 45	"	"
"	" " "	400	1 45	"	"
"	" " "	400	1 45	"	"
"	Ambler, nr. Alpine	600	1 50	"	"
Frank Koch	Frederick, nr. Bolton	532	1 65	"	"
Adam King	Oakdale, nr. Woodland	2,000	3 10	"	"
David Brown	L. 154 Cumberland	400	2 15	"	"
Jerry Jiles	L. 30 Ambler	960	2 45	"	"
Gerty Rising	L. 80 Remington	500	1 60	"	"
Jas. W. Blake	No. Woodland, Br. Bolton	950	2 60	"	"
Eagle Oil Mfg. Co	Rawlings, nr. C. & P. R'y	1,000	1 95	"	"
Catherine Fisher	L. 36 Holton	800	2 45	"	"
Mrs. H. R. Donaldson	59 Cumberland	550	1 80	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jos. Tyler	Southern, nr. Quincy	$ 35	$ 120	Frame.	Shed.
J. Tillman	Frederick, nr. Congress	600	1 75	"	Dwelling.
E. Seamon	112 Southern	1,050	2 50	"	"
J. Tillman	Frederick, nr. Congress	600	1 75	"	"
Jno. Toth	15 Bismark	57	1 30	"	Bowling Alley.
Ignatz Minarek	Frederick, nr. Congress	200	1 35	"	Dwelling.
Geo. Strelan	Woodland Hills, nr. Woodland	1,400	3 80	"	"
Neil Rassmussen	34 Yeakel	1,000	2 00	"	"
Jno. Hinirich	45 Holton	500	1 55	"	"
W. B. Hopkins	Woodland, nr. Congress	2,500	6 30	"	"
Freed Seatz	Corwin, cor. Woodland	200	1 75	"	Store.
Martin Eppell	L. 34 Frederick	325	1 70	"	Dwelling.
H. Steinbrenner	S. L. 59 Wilhelm	550	1 55	"	"
Valentine Gleick	L. 124 Ambler	350	1 60	"	"
Bernadi Guazidius	Ambler, nr. Sophia	300	1 45	"	"
Sam'l Schriber	Rockwith, nr. Holton	450	1 75	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
H. Steinbrenner	Corwin, nr. Woodland	$ 1,000	$ 2 05	Frame.	Dwelling.
Jas. Walsh	Bolton, nr. "	600	1 60	"	"
"	" " "	600	1 60	"	"
"	" " "	600	1 60	"	"
"	" " "	600	1 60	"	"
"	" " "	600	1 60	"	"
J. T. Adams	1023 Bolton	490	2 20	"	"
C. A. DeHondt	108½ Carran	550	1 90	"	"
Albert Gunat	Vanek, nr. Kinsman	375	1 65	"	"
J. C. Havlicek	L. 82 Kennedy	500	1 80	"	"
Geo. Williams	23 Corwin	50	1 15	"	Shop.
Philip Schaffer	L. 31 Frederick	550	1 90	"	Dwelling.
Nicholas Saunders	Lincoln, cor. Quincy	650	1 80	"	"
A. N. Shedy	Bolton, nr. Kennedy	600	1 55	"	"
"	" " "	600	1 55	"	"
H. Hooper	L. 68 Southern	1,800	4 20	"	D. Dwelling.
Chas. Rittmeisler	L. 26 Bolton	850	2 10	"	Dwelling.
Peter Deckod	50 Cumberland	600	2 20	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Chas. Wichmeyer	Bolton, nr. Quincy	$ 800	$ 2 05	Frame.	Dwelling.
H. Stinebrenner	Wilhelm, nr. Holton	600	1 65	"	"
Jno. Bujnyak	Bismark, nr. Holton	900	3 00	"	"
D. T. Miller	Oakdale, nr. Woodland	200	2 00	"	"
M. Haeneiges	S. L. 86 Southern	675	6 75	"	"
H. Freedman	Vanek, nr. Kinsman	400	1 60	"	"
Mrs. Nichols	Lincoln, nr. Woodland	900	2 45	"	"
"	" " "	900	2 45	"	"
"	" " "	900	2 45	"	"
"	" " "	900	2 45	"	"
Julius Meinzer	63 Kennedy	200	1 60	"	"
C. E. Coolman	E. S. E. Madison, nr. Rawlings	1,700	3 40	"	D. Dwelling.
Charlotte M. Evans	Woodland, nr. E. Madison	750	1 75	"	Dwelling.
"	" " "	750	1 75	"	"
"	" " "	750	1 75	"	"
"	" " "	3,800	6 10	"	Store and Tenement.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mrs. A. Weis	Quincy, nr. Edwards	$ 1,500	$ 2 85	Frame.	Dwelling.
F. H. Jackson	Alpine, nr. Leroy	600	1 85	"	"
C. M. Mix	Wilhelm, nr. Holton	600	1 75	"	"
Jno. Klazar	L. 1 Corwin	380	1 75	"	"
M. M. Hobart	Ellsworth, nr. Woodland	960	2 95	"	"
Mrs. Saunders	26 Congress	500	1 65	"	"
Jno. Toth	L. 31 Bismark	1,100	2 85	"	"
Fred Meinzer	Remington, nr. Congress	500	1 80	"	"
Thos. Fisher	L. 83 Burdock	500	1 60	"	"
W. B. Hopkins	No. Woodland, nr. Congress	800	2 05	"	"
"	" " " "	800	2 05	"	"
M. Kneebusch	Garretson, nr. Kinsman	800	1 95	"	"
M. Valliquette	S. L. 149 Woodland Hills	700	1 95	"	"
Jno. Beattie	Cumberland, nr. Woodland Hills	300	1 50	"	"
F. H. Jackson	L. 426 Ambler	750	1 65	"	"
"	L. 424 "	750	1 65	"	"
Jno. W. Tyler	S. L. 56 Ellsworth	900	2 20	"	"
"	" " "	900	2 20	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. W. Tyler	S. L. 57 Ellsworth	$ 900	$ 2 20	Frame.	Dwelling.
C. A. Keppler	Kennedy, nr. Bolton	500	1 80	"	"
Stephen Baniass	34 Corwin	250	1 40	"	"
Amel Ricks	6 Holton	369	1 45	"	"
John Anderson	L. 78 Remington	900	2 66	"	Dwelling and Barn.
W. E. Osborn	578 Quincy	40	1 25	"	Barn.
G. L. Case	E. Madison, nr. Quincy	2,000	2 55	"	Dwelling.
C. V. Hull	L. 85 Ellsworth	500	2 60	"	"
John Wild	Frederick, nr. Bolton	330	1 35	"	"
Riley Skeen	Schiller, nr. Holton	350	1 50	"	"
J. W. Heisley	Quincy, nr. Baldwin	1,500	3 35	"	"
Maggie G. Schwartz	E. S. Lincoln, nr. Quincy	1,000	2 05	"	"
John Boyd	L. 20 Quincy	900	1 95	"	"
Helen McGregor	Steinway, nr. Woodland	850	1 95	"	"
" "	" "	850	1 95	"	"
Frank Knahtl	Bolton, nr. Woodland	475	1 75	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
David Brown	L. 154 Cumberland	$ 400	$ 2 15	Frame.	Dwelling.
Henry Barsch	37 Westlake	700	1 90	"	"
M. Kneebush	L. 109 Garretson	700	1 85	"	"
Frank Stasney	Bolton, cor. Quincy	1,000	2 85	"	Store and Tenement.
R. Beattie	Remington, nr. Congress	1,000	2 10	"	Dwelling.
Francis C. Smith.	L. 28 Lincoln	1,200	2 80	"	"
Douglas C. Sly	R. 193 Edwards	70	1 45	"	Barn.
Andrew Day	123 Atlantic	500	1 80	"	Dwelling.
Vincent Herrin	Carran, nr. Oakdale	300	1 75	"	"
John Venes	So. Woodland, nr. Bismark	1,000	2 95	"	Store and Tenement.
H. Stinebrenner	Corwin, nr. Woodland	1,000	1 95	"	Dwelling.
John Studeny	L. 51 Cumberland	700	1 55	"	"
D. B. Van Dorn	L. 57 Schiller	300	1 35	"	"
" "	L. 56 "	300	1 35	"	"
" "	L. 56 "	300	1 35	"	"
John Bernhardy	7 Tennyson	400	1 55	"	"
H. Stinebrenner	Wilhelm, nr. Holton	600	1 65	"	"
Jos. Deiter.	Oakdale, cor. Yeakel	1,000	2 00	"	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Robt. Hyslop	Quincy, nr. Lincoln	$ 700	$ 2 25	Frame.	Store and Tenement.
Jones & Harris	Woodland, nr. N. Y., P. & O.	210	1 20	"	Office.
Mary Schamp	29 Remington	800	2 15	"	Dwelling.
Anton Molnar	L. 28 Holton	800	1 70	"	"
Wm. Daniel	Carran, nr. Bolton	450	1 45	"	"
W. F. Newcomb	R. 552 Kinsman	100	1 15	"	Barn.
Wm. Emmerson	606 Quincy	100	1 25	"	DryRoom.
F. Blaha	124 Carran	400	1 50	"	Dwelling.
Flora Coulton	L. 29 Lincoln	800	2 40	"	"
Simon Krivanek	L. 194 Garretson	200	1 45	"	"
Frank Zeman	L. 127 "	200	1 45	"	"
I. Y. Moyer	S. S. Cumberland	800	1 75	"	"
W. Sheedy	7, N. S. Kennedy	500	1 55	"	"
Geo. Van Dorn	L. 275 Chadwick	500	1 70	"	"
" "	L. 275½ "	500	1 70	"	"
" "	L. 276 "	500	1 70	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Margaret Carroll	27 Ellsworth	$ 600	$ 1 65	Frame.	Dwelling.
Caroline Neitzel	L. 175 Wilhelm	350	1 75	"	"
" "	L. 74 "	350	1 75	"	"
" "	L. 74 "	350	1 75	"	"
W. H. H. Peck	R. 871 Bolton	250	1 50	"	Barn.
Mrs. A. H. Pope	L. 222 Lincoln	1,800	3 80	"	D. Dwelling.
	ADDITIONS AND ALTERATIONS.				
Peerless Wringer Co.	C. & P. R. R.	317	1 00	Frame.	Water Tower.
Geo. Strean	133 Edwards	100	1 00	"	Rooms.
—— Smith	Holton, cor. McCurdy	300	1 00	"	"
Glidden & Joy Varnish Co.	C. & P. R. R., nr. N. P. R. R.	1,659	3 00	Brick.	Factory.
Wm. Kulach	139 Edwards	350	1 00	Frame.	Rooms.
Wm. Seits	36 Congress	300	1 00	"	"
James Philip	38 Southern	900	1 00	"	"
R. K. Harriman	1199 Lincoln	50	1 00	"	"
L. Rush	1260 E. Madison	225	1 00	"	"
George Brown	L. 8 Southern	25	1 00	"	"
Edward McGuirk	26 Corwin	75	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
John Veiser	1793 Woodland	$ 60	$ 1 00	Frame.	Rooms.
J. P. Ward	120 Carran	80	1 00	"	"
Eberhard M'fg Co.	Tennyson, nr. C. P. R. R.	1,700	3 00	Brick.	Shop.
George Beckhart	Alpine, nr. Holton	70	1 00	Frame.	Rooms.
R. Schweiger	1891 E. Madison	210	1 00	"	Store.
George Klein	57 Southern	100	1 00	"	Rooms.
W. C. Jacobs	70 "	400	1 00	"	"
Adam Bortzel	11 Ewald	60	1 00	"	"
Eberhard M'fg Co.	Tennyson, nr. C. P. R. R.	1,200	3 00	Brick.	Shop.
M. Moran	Ellsworth, nr. So. Wood	450	1 00	Frame.	Rooms.
Eberhard M'fg Co.	Bismark, nr. C. P. R. R.	3,800	7 00	Brick.	Foundry.
John Martes	49 Bismark	170	1 00	Frame.	Rooms.
M. Conkey	1649 Woodland	400	1 00	"	"
John Teli	L. 2 E. Madison	80	1 00	"	Shop.
	Ward 24.				
Anton Zrrina	1659 Broadway	3,500	8 70	Brick.	Stores and Tenem'ts.
T. Bizdeck	L. 82 Hamm	214	1 45	Frame.	Dwelling.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jos. Novak	L. 262 E. Clark	$ 500	$ 1 75	Frame.	Dwelling.
A. Olschensky	Finn, nr. Broadway	300	1 80	"	"
F. Peaneak	8 Vivian	150	1 30	"	Shop.
Annie Masac	Beyerle, nr. Hunting	450	2 05	"	Dwelling.
R. Zimmerman	Independence, nr. Hunting	1,000	3 50	"	Dwelling, etc.
"	" " "	75	1 20	"	Barn.
Nicholas Kimpel	McBride, nr. Hector	700	2 50	"	Dwelling.
John Brabc	41 Nursery	50	1 40	"	Shed.
Chas. Dosack	Sawtell, nr. Praha	60	1 25	"	Dwelling.
Frank Kleck	13 Trumbull	500	1 85	"	"
Jos. Nowak	Petrie, nr. Vivian	75	1 30	"	Barn.
F. Goldenstein	56 Ballou	60	1 40	"	"
Warren Farr	64 Trumbull	600	2 50	"	Dwelling.
Wm. Haens	865 Independence	600	2 00	"	"
Anton Rezabeb	24 Martin	60	1 30	"	Barn.
Thos. Brady	R. L. 10 House	1,100	3 10	"	Dwelling.
Ed. Blumer	77 Trumbull	350	1 80	"	"
L. Keifer	844 Broadway	40	1 40	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
M. Krt	25 Weckerling	$ 50	$ 1 25	Frame.	Barn.
Jno. Macak	93-95 McBride	120	1 50	"	"
Aug. Schultz	54 Barkwill	300	1 50	"	Dwelling.
Jno. Anderson	Czar, nr. Broadway	175	1 50	"	Barn.
Jos. Linek	Beyerle, nr. Sykora	1,000	2 95	"	Dwelling.
Henry Markwood	60 Mead	100	1 50	"	Barn.
S. Austin	1257 Broadway	75	1 75	"	Shed.
Geo. & Carrie Baer	L. 152 Nelson	750	3 15	"	Dwelling.
Jos. Villet	Petrie, nr. Frazee	825	2 30	"	"
Jno. Bitter	46 Davies	550	1 95	"	"
Jas. Uher	1175 Broadway	25	1 25	"	Shop.
D. Raimar	987 "	75	1 15	"	Barn.
Jno. Neuman	Kimmel, nr. Beyerle	575	1 95	"	Dwelling.
Henry Meyer	Independence	500	1 85	"	"
Barbara Koran	26 Martin	25	1 15	"	Shed.
Jno. Collins	130 Petrie	850	1 50	"	Store and Tenement.
Aug. Fisher	Kimmel, nr. Independence	400	1 55	"	Dwelling.
Jno. Eschner	34 Mead	25	1 00	"	Barn.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Kolb	51 Davies	$ 500	$ 1 55	Frame.	Dwelling.
Mary Grossman	74 "	600	2 60	"	"
Jno. Vales	Ballou, nr. Petrie	300	1 60	"	"
Fred Tesner	Hunting, nr. Independence	500	1 80	"	"
Mrs. Boresh	6 Lester	1,200	2 30	"	"
J. D. Vorak	Hamm, nr. Petrie	700	1 90	"	"
Jno. Minausik	Sawtell, nr. Finn	425	1 65	"	"
Frank Krepsa	Petrie, nr. Hamm	380	1 65	"	"
W. Krueger	56 McBride	465	1 50	"	"
A. Soukup	9 Buettner Ct.	350	1 90	"	"
Jos. Havel	Beyerle, nr. Sykora	750	1 85	"	"
F. D. Brown	17 Fowler	1,250	2 40	"	"
F. W. Zedra	54 Doloff	550	1 55	"	"
Jos. Zool	52 "	60	1 25	"	Barn.
Frank Lies	Buettner Ct., nr. Broadway	500	2 25	"	Dwelling.
Caroline Hardman	50 Davies	1,000	2 25	"	"
Christ Hopner	Kimmel, nr. Sykora	450	1 65	"	"
Jos. Poneck	Doloff, nr. Frazee	730	1 95	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
James Kolda	McBride, nr. Willson	$ 455	$ 1 90	Frame.	Dwelling.
K. Hablsnether	Broadway, nr. Barkwill	90	1 25	"	Store.
James Mach	L. 5 Buettner court	425	1 80	"	Dwelling.
S. Jindrich	R. 28 Mead	75	1 20	"	Barn.
W. Lammers	R. 49 Davies	600	1 95	"	Dwelling.
Chas. Peters	L. 88 Kimmel	500	1 60	"	"
F. Burker	Fowler, nr. Hector	1,100	2 35	"	"
John Koula	2 Otoker	150	1 30	"	"
Jno. Holichek	Trumbull, nr. Forest	360	1 60	"	"
M. F. Carlova	69 Warren	300	1 70	"	"
Frank Concana	656 Forest	520	2 25	"	"
Theo. Zundt	66 Kimmel	550	1 65	"	"
V. Hawn	6 Hollister	425	1 50	"	"
Jno. Schedevin	Petrie, nr. Hamm	650	1 55	"	"
Chas. Wolf	124 Kimmel	650	1 75	"	"
Theo. Mushe	666 Forest	400	1 80	"	"
John Braunck	Broadway, nr. Champa	3,940	7 50	"	Store and Barn.
Jos. Svoboda	104 Clay	220	1 40	"	Dwelling.

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Frank Zeiger	Buettner Ct.	$ 600	$ 1 65	Frame.	Dwelling.
Julius Schade	125 McBride	300	1 45	"	"
Evang'l Luth. Church	Willson, nr. Magnet	3,700	5 40	"	Church.
C., M. V. & C. R. R.	Willson, nr. N. Y., P. & O.	700	1 75	"	Sand Shop.
Frank Prodgill	Beyerle Ct., nr. Beyerle	250	1 50	"	Dwelling.
John Yahda	Robert, nr. Petrie	280	1 35	"	"
Brooklyn St. R. R. Co.	Hugo, nr. Beyerle	800	4 35	"	Wash House.
Jno. Schumack	20 Lester	90	1 20	"	Barn.
A. Varriskie.	731 Forest	1,500	4 20	"	Dwelling.
Jno. Vilda	Broadway, nr. Dillie	650	2 20	"	Office.
Joe Koptis	" Independence	500	1 60	"	Saloon.
Elizabeth Barkville	Svoboda, nr. Mead	400	1 70	"	Dwelling.
"	" "	400	1 70	"	"
Thos. Hauser	S. L. 159 Petrie	350	1 90	"	"
Jas. Kanskie	13 Dillie	150	1 35	"	Barn.
Jos. Zarosh	Doloff, nr. Petrie	350	1 60	"	Dwelling.
Jos. Masek	31 Douse	200	1 45	"	Shop.
Chas. Klomp	13 House	300	1 55	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
J. V. Petirka	20 Clay	$ 350	$ 1 55	Frame.	Dwelling.
"	" "	450	1 70	"	"
Edward Wolf	Hunting, nr. Independence	700	1 95	"	"
John Hanzl	31 Warren	300	1 55	"	"
Martin Stanka	L. 30 Barkwill	500	1 45	"	"
Jno. Michkofski	23 Cable	250	1 45	"	"
Fred. Newhouse	Petrie, nr. Barkwill	2,000	2 95	"	"
—— Creach	Anson, nr. Petrie	120	1 25	"	Shop.
—— Cross	Colorado, nr. Jewett	275	1 30	"	Dwelling.
Annie Newell	19 Petrie	375	1 55	"	"
J. M. Nowak	Ballou, nr. Vivian	600	1 70	"	"
Fred. Bezsinski	Trumbull Ext'n, nr. Forest	250	1 65	"	"
Jas. Panek	Hamm, nr. Petrie	600	1 80	"	"
Warren Farr	Broadway, nr. Davies	600	4 20	"	"
Jos. Cerny	L. 105 Petrie	520	1 75	"	"
Frank Stevik	156 Barkwill	150	1 25	"	"
H. Schmemana	Smith nr. Sykora	450	1 55	"	"
George Scheffler	661 Forest	360	1 40	"	"

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Frank Kocana	656 Forest	$ 800	2 70	Frame.	Dwelling.
Jno. Panek	Czar nr. Colorado	600	2 00	"	"
Jno. Reinlander	134 Kimmel	600	2 05	"	"
Jno. Schefranek	Petrie, nr. Vivian	610	1 75	"	"
J. Vanetka	Bliss, cor. Snow	115	1 10	"	Shop.
J. Marquardt	Kimmel, nr. Beyerle	600	1 95	"	Dwelling.
J. J. Eberle	" " Independence	400	1 80	"	Shop.
Jno. Hoffman	L. 31 Berann	150	1 45	"	Dwelling.
Anton Kamis	Huck nr. Chard	300	1 55	"	"
Jos. Alba	4 Fowler	625	2 10	"	"
Jno. Varra	69 Jewett	800	2 10	"	"
Frank Snitil	L. 95 Clay	250	1 55	"	"
Chas. Fuhrman	870 Broadway	200	2 10	"	Shop.
Jos. Plampper	38 Doloff	500	1 80	"	Dwelling.
E. Klimes	1 Morgan Pc	250	1 45	"	"
Frank Neverka	L. 3 Independence	100	1 15	"	"
Jno. Curfey	Stillson, nr. Independence	400	1 45	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.				
Frank Jirovic	Nursery, nr. N. Y., P. & O	$ 75	$ 1 00	Frame.	Room.
M. Panek	26 Dakota	250	1 00	"	Parlor.
M. Ruby	78 Bliss	50	1 00	"	Kitchen.
Wm. Agirbrecht	58 Bading	76	1 00	"	"
Conrad Schmitt	80 Ballou	30	1 00	"	"
Julius Schade	128 McBride	225	1 00	"	"
N. Sraupe	1037 Broadway	300	1 00	"	Rooms.
Joe Divis	18 Praha	35	1 00	"	Alterations.
"	6 Glazier	180	1 00	"	Shop.
Frank Cremak	94 Bliss	200	1 00	"	Rooms.
Caroline Grucker	40 Victor	50	1 00	"	"
Frank Shisler	Hecker Ct., nr. Philip	25	1 00	"	Kitchen.
Harrison & Many	23 Davies	400	1 00	"	Ware House.
Jno. Woldcker	66 Warren	50	1 00	"	Boiler House.
Frank Lavine	189 Barkwill	140	1 00	"	Rooms.
Jas. Jarosek	65 Jewett	250	1 00	"	"
W. Nahaus	6 Holley	200	1 00	Brick.	Basement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Gustav Kauzer	Magnet, nr. Willson	$ 40	$ 1 00	Frame.	Kitchen.
Frank Srp	Vivian, nr. Petrie	25	1 00	"	"
Frank Goldsmith	Barkwill, nr. Doloff	150	1 00	"	"
Mrs. Barkwill	42 Svoboda	80	1 00	"	"
Jos. Younhan	25 Anson	100	1 00	"	Room.
Frank Ferrell	30 Ballou	175	1 00	"	Kitchen.
John Mudra	42 Mead	54	1 00	"	Porch.
Frank Buettner	1485 Broadway	150	1 00	"	Rooms.
F. Buckac	52 Solon	280	1 00	"	"
Mrs. Kalachek	23 Barkwill	27	1 00	Stone.	Foundation.
Jno. Mathaus	66 Hunter	150	1 00	Frame.	Kitchen.
Joe Nowak	Randolph, nr. Doloff	25	1 00	"	Shed.
Jno. Chifcik	25 Lester	175	1 00	"	Room.
Jno. Rishabeck	88 Doloff	800	1 00	"	"
Frank Hendrick	31 Gallup	200	1 00	"	Kitchen.
F. F. Krause	1157 Broadway	250	1 00	"	Store.
Chas. Kala	78 Douse	25	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Geo. Goldsmith	9 Frazee	$ 295	$ 1 00	Frame.	Room.
J. Vlock	Doloff, nr. Rockert	210	1 00	"	Shop.
M. Nemick	119 Petrie	15	1 00	"	Shed.
Frank Kinkor	Forest, nr. Trumbull	100	1 00	"	Alterations.
Jno. Behnke	Smith, nr. Broadway	50	1 00	"	Shed.
Thos. Letzki	360 Temple	150	1 00	"	Rooms.
Jno. Jindra	Rockert, nr. Doloff	310	1 00	"	"
Elizabeth Asburg	Petrie, nr. Nuss	45	1 00	"	Porch.
J. F. Harvey	148 Petrie	75	1 00	"	Rooms.
Gus. Hartz	Willson, nr. N. Y., P. & O. R. R.	.....	1 00	"	Grand Stand.
Thos. Hess	Petrie, nr. Huck	260	1 00	"	Rooms.
Mike Hordru	49 Mead	100	1 00	"	"
Joe Franecek	Sawtell, nr. Finn	110	1 00	"	"
J. J. Shafcheck	28 Davies	30	1 00	"	"
Jno. Smocina	633 Forest	550	1 00	"	"
J. Bartonek	55 Doane	120	1 00	"	Shop.
M. F. Herolt	55 Chompa	220	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
W. Heiden	77 Ballou	$ 300	$ 1 00	Frame.	Store.
Jno. Dobeas	36 Guy	300	1 00	"	Rooms.
Mr. Arkel	51 Trumbull	500	1 00	"	Saloon.
Jno. Dettman	67 Petrie	230	1 00	"	Store.
J. Krause	Dilley, cor. Broadway	675	1 00	"	Barn.
Frank Lekra	51 Finn	100	1 00	"	Rooms.
Jos. Hummel	9 Nursery	400	1 00	"	"
Jno. Howarka	72 Edwards	300	1 00	"	"
C. Luskart	Rockert, nr. Petrie	100	1 00	"	"
Jno. Ryner	56 Frazee	325	1 00	"	"
Elizabeth Keifer	844 Broadway	175	1 00	"	"
Anna Sklenika	78 Jewett	125	1 00	"	"
Mr. Johanek	17 Lester	415	1 00	"	"
Jas. Hilffer	36 Douse	1,200	3 00	"	"
Mary Panska	35 Hamm	140	1 00	"	"
V. Zoule	Broadway, cor. Hamm,	1,250	3 00	"	"
Jno. Probort	25 Barkwill	80	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
T. Arnatz	McBride, nr. Broadway	$ 50	$ 1 00	Frame.	Rooms.
Frank Stadnik	23 Lester	75	1 00	"	"
Jacob Barth	24 Svoboda	35	1 00	"	"
Jno. Balvoda	38 Douse	85	1 00	"	Shop.
J. Zackosterlecky	14 Snow	165	1 00	"	Rooms.
Peter Cullen	1456 Broadway	25	1 00	"	Shed.
A. Zoerina	1614 "	50	1 00	"	"
Vo Jteck Krs	63 Hamm	300	1 00	"	Rooms.
Mary Jolvaak	24 Mead	300	1 00	"	"
Bethlehem Cong. Church.	Broadway, nr. Fowler	1,050	3 00	"	Sunday School.
Vaclav Sedivi	20 Braha	220	1 00	"	Rooms.
Frank Vetovets	4 Otoker	355	1 00	"	"
Jno. Barthowak	50 Mead	150	1 00	"	"
Jno. Merose	26 Ballou	120	1 00	"	"
J. Drdek	2 Vivian	135	1 00	"	Store.
Aug. Harr	69 Ballou	190	1 00	"	Room.
Carl Telitzke	11 Hous[illegible]	110	1 00	Stone.	Cellar.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	Ward 25.				
Jos. Turner & Son	1742 Broadway	$ 12,000	$ 6 65	Brick.	Weaving Mill.
" "	" "	500	1 65	"	Sulphur House.
Brooklyn St. R. R. Co	Willson, nr. Diamond Place	5,000	18 05	"	Car House.
Louisa Buescher	L. 25 Lederer	450	1 90	Frame.	Dwelling.
M. Schultz	A., nr. Kinsman	300	1 65	"	"
Jno. Houska	Pallister, nr. Fleet	300	1 75	"	"
Havl Horazdosky	" "	150	1 25	"	"
Jno. Otto	L. 28 Wabash	500	2 05	"	"
M. Satter	Hamlet, nr. Willson	300	1 60	"	"
J. Turner & Sons	1760 Broadway	250	1 35	"	Office.
Fred Bode	Burter, nr. Herbert	600	1 95	"	Dwelling.
Frank Nowak	Cable, nr. Broadway	100	1 45	"	"
Thos. Hair	Amelia, nr. Wren	550	2 40	"	"
Jno. Becka	S. L. 409 Tod	400	1 60	"	"
Chas. Goede	B, nr. D	450	1 80	"	"
Jos. Koza	L. 259 Pallister	250	1 65	"	"
C. Foehsak	140 Doloff	60	1 40	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Graul..	Portage, nr. Broadway.	$ 400	$ 2 20	Frame.	Dwelling.
Wm. Osiek	Porter, nr. Hubbard	250	2 00	"	"
Jno. G. Haffner	L. 28 Amelia	300	1 85	"	"
M. Abluskie	876 Tod	50	1 25	"	"
Sheets Bros	Broadway, nr. C. V. R. R.	1,000	11 35	"	Ware House.
J. H. Paisu	299 Tod	30	1 10	"	Celery House.
Jos. Luska	L. 127 Seabrook.	300	1 45	"	Dwelling.
Van Allen & Jedleke	Broadway, nr. Axtell	700	2 40	"	Store and Dwelling.
Jos. A. Zecak	L. 216 Pallister	300	1 80	"	Dwelling.
Robt. Meyer	7 Newman	700	2 30	"	"
R. D. Saddler	Broadway, nr. Portage	500	1 85	"	"
J. Kréajewah	73 Portage	1,200	2 00	"	"
Frank Sohernor	L. 30 Cable,	250	1 55	"	"
F. Jankosky	Francis, nr. Alexander	450	3 40	"	Dwelling and Store.
Jas. Kisek	Maplewood, nr. Joy	275	1 40	"	Dwelling.
W. Zeveruski	L. 391 Weiner	160	1 35	"	"
E. J. Beckman	1531 Dickerman	600	1 95	"	"
Frank Bolinitz	Klenroy, nr. Hamm	280	1 75	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Peter Charvati	So. Willson, nr. Mound	$ 225	$ 1 45	Frame.	Dwelling.
Sophia Schwartz	1226 Herald	840	2 55	"	"
Jno. Fiala	Union, nr. C. & P. Ry	250	1 45	"	"
Ingnatis Weiss	S. L. 200 Forman	950	2 60	"	"
Wm. Moore	Tod, nr. Hillman	900	2 30	"	"
Jno. Malloy	Osage, nr. Etna	95	1 40	"	Barn.
Thos. Bowen	Bessemer, nr. E. Madison	350	1 75	"	Dwelling.
Johan Udic	S. L. 266 Pallister	400	1 60	"	"
A. Rokusek	Broadway, nr, C. C. & I. R. R.	75	1 40	"	Shed.
Wm. Gross	Linton, nr. Ackley	400	2 60	"	Dwelling.
Martin Aranowski	8 Mound	650	2 30	"	"
Mrs. F. Geib	Willson, nr. Diamond Park	4,000	5 65	"	D. "
Wm. Burden	Forman, nr. Ledyard	900	2 60	"	"
L. Krustuber	36 Porter	250	1 50	"	Shop.
Jno. Proska	198 Ashton	180	1 35	"	Dwelling.
J. V. Peterka	L. 32 Carpenter	385	1 55	"	"
Thos. Willed	L. 14 Groton	300	1 50	"	"
Jos. Turner & Sons	1742 Broadway	3,000	4 85	"	Dye House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Johann Kadles	Ashton, nr. Homewood	$ 120	$ 1 15	Frame.	Dwelling.
Albert Krs	Hamm, nr. Weckerling	2,700	4 15	"	Store and Dwelling.
T. C. Garfield	1650 Broadway	75	1 20	"	Shop.
Jno. Vondran	Tod, nr. Roland	1,200	2 80	"	Dwelling.
Jacob Haffner	18 Amelia	575	2 00	"	"
Jno. Seidewand	A, nr. Brookside	350	1 55	"	"
John Mudra	Cable, nr. Broadway	150	1 30	"	"
Frank Viktra	Esch, nr. Morgan Ave	300	1 35	"	"
Frank Lenek	Pallister, nr. Fleet	250	1 70	"	"
Woods, Jenks & Co.	Willson, nr. N. Y. P. & O. R. R.	450	3 85	"	Store Room.
Wm. I. Farrow	Hamlet, nr. Broadway	600	1 85	"	Dwelling.
Wm. Firth	Aetna, nr. "	1,500	3 00	"	"
A. E. Jones	Broadway, nr. Aetna	1,464	2 90	"	"
F. Schwemler	"A," cor. "B"	325	1 90	"	"
Fred'k Engel	Broadway, nr. Engel	1,300	2 60	"	"
Andrew Kostak	April, nr. Homewood	400	1 60	"	"
Clemens Kowiad	872 Tod	300	1 55	"	"
Jno. Baraczka	Heisley, nr. Ackley	250	1 50	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jacob Stanek	Morgan, nr. Homewood	$ 200	$ 1 50	Frame.	Dwelling.
Chas. Warnicker	"A" & "B"	500	1 90	"	"
F. J. Rickard	Ledyard, nr. Broadway	750	2 10	"	"
Jos. S. Hodons	S. L. 46 Hamlet	850	1 95	"	"
Frank Cokar	Hamm, nr. Fleet	750	2 15	"	"
D. E. Russell	3 Mound	600	2 00	"	"
H. F. Arndt	Fowler, nr. Broadway	1,000	2 40	"	"
St. John's Luth. Church	Cable "	200	1 15	"	Water Closet.
Peter Sindelar	Petrie, nr. Independence	60	1 35	"	Shooting Gallery.
Jos. Pasher	Hamlet, nr. Willson	160	1 35	"	Dwelling.
Frank Thormington	"	975	2 50	"	"
Jacob Faber	E. Madison, nr. Kinsman	1,100	2 50	"	D. Dwelling.
Michael O'Brien	Wheatland, nr. Union	587	1 55	"	"
Fred'k Engel	Broadway, nr. Engel	1,300	2 60	"	"
"	"	1,300	2 60	"	"
M. Hodons.	Asylum, nr. Union	225	1 35	"	"
Jno. Frushu	L. 103 Clay	180	1 30	"	"
Tracy Rauer	Francis, cor. Alexander	250	1 90	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Matrese Chonelik	Hamm, nr. Weckerling	$ 275	$ 1 60	Frame.	Dwelling.
Louis Nodicky	Rutland, nr. Trenton	300	1 50	"	"
M. E. Cavanaugh	L. 7 Grover	350	1 80	"	"
Carl Rail	31 Edgwood	600	1 55	"	"
Albert Huber	L. 83 Herbert	400	2 05	"	"
Henry Seihler	Porter, nr. Hubbard	520	1 90	"	"
C. M. Mix	L. 101 Trenton	1,200	2 75	"	2 Dwellings.
Joe Benich	Pallister, nr. Chard	350	1 75	"	"
J. M. Sheets	2157 Broadway	1,500	3 40	"	"
W. H. Devey	Kinsman, nr. Brookside	500	2 15	"	"
"	Clay, nr. Weckerling	150	1 25	"	"
J. S. Stevens	Brookside, nr. Kinsman	750	1 60	"	"
"	"	750	1 60	"	"
W. W. Ferrall	Carpenter, nr. Sheridan	950	2 00	"	"
E. Mueller	Drake, nr. Willson	960	2 40	"	"
Clamor H. Koester	Porter, nr. Hubbard	1,300	3 00	"	"
P. Perreault	Consul, nr. Union	950	2 25	"	"
Otto Klein	Clay, nr. Petric	250	1 50	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. Kerkner	Sheridan, nr. Carpenter	$ 350	$ 1 30	Frame.	Dwelling.
L. Sanda	So. Willson, nr. Fleet	425	1 85	"	"
Joseph Dusek	S. L. 221 Morgan Al't	200	1 35	"	"
A. Sternetski	L. 359 Weimer	400	1 95	"	"
Jno. Novak	Goethe, nr. Hamm	40	1 25	"	Barn.
Wm. Lenz	A, nr. Kinsman	450	1 60	"	Dwelling.
J. F. Brown	L. 22 Cottage	325	1 45	"	"
Woods, Jenks & Co	Willson, cor. Edgwood	165	2 05	"	Barn.
Jno. Krueger	9 Tamworth	750	2 15	"	Dwelling.
Chas. Chullz	B, nr. A	700	1 95	"	"
Frank Stehna	So. Willson, nr. Fleet	500	1 30	"	"
Jos. Hejduek	Macedonia, nr. Union	370	1 70	"	"
A. W. Morgan	R. 29 Ætna	80	1 35	"	Wash Room.
Henry Barner	Francis, cor. Alexander	660	1 80	"	Dwelling.
Fred Kleinsmith	A, nr. B	360	1 55	"	"
Frank Sindelar	Clay, nr. Hamm	280	1 45	"	"
Jno. Jlock	L. 46 A	500	2 00	"	"
Wm. Pollack	Herald, nr. Port	500	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Prokop Krbecek	Wheatland, nr. Union	$ 400	$ 1 55	Frame.	Dwelling.
Jacob Bitzon	S. L. 157 Willson	200	1 50	"	"
John Gravl	56 Portage	330	1 75	"	"
J. S. Stevens	Kinsman, nr. Brookside	1,200	2 15	"	"
"	" " "	1,200	2 15	"	"
F. Beckwith	L. 21 Ensign	1,000	2 25	"	"
Adam Burghardt	A, nr. Kinsman	500	1 80	"	"
Jos. Kuratka	Clay, nr. Petrie	250	1 40	"	"
Jno. Kraus	S. L. 219 Francis	600	2 00	"	"
Ernst Gold	101 Prebel	400	1 40	"	"
J. Voegler	Dickerman, nr. Kinsman	300	1 35	"	"
Jno. Schambacher	L. 21 Herald	700	2 15	"	"
Joe Vsely	36 Goethe	180	1 45	"	Dwelling and Barn.
A. Wolf	Henyon, nr. Ackley	875	1 95	"	Dwelling.
J. Messer	Grover, nr. Amelia	435	1 70	"	"
W. S. Palmer	Union, nr. Wheatland	1,200	2 90	"	D. Dwelling.
Winsek Schwitz	Ashton, nr. Homewood	150	1 45	"	"
Jos. Wolf	L. 188 Vergennes	400	1 75	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Elizabeth Prochaskova	Pallister, nr. Chard	$ 250	$ 1 65	Frame.	Dwelling.
W. S. Edgerly	2100 Broadway	600	1 90	"	Store and Dwelling.
Jno. Helmer	S. L. 29 Ensign	1,600	3 45	"	Dwelling.
Harry Haslem	Sheridan, nr. Francis	500	1 70	"	"
Frank Ravano	" " Carpenter	500	1 95	"	"
Herman Noketta	195 Ackley	600	1 75	"	"
A. S. Reed	L. 60 Cumberland	690	1 85	"	"
Jacob Lenhart	L. 35 Berwick	700	1 80	"	"
J. R. Kennedy	L. 87 Wheatland	260	1 45	"	"
David Haase	L. 20 Kinsman	500	1 80	"	"
Jacob Fouseal	L. 58 Portage	250	1 55	"	"
Marian Dillwerki	S. L. 117 Vergennes	270	1 40	"	"
Elizabeth Barkwill	So. Willson, nr. Mound	600	2 50	"	"
M. Giblin	L. 47 Hamlet	600	1 95	"	"
Jno. Pallister	Pallister, nr. Fleet	440	1 75	"	"
Jno. D. Patton	Broadway, nr. Brecksville	3,000	3 90	"	"
Joe. Horrock	Portage, nr. Broadway	550	2 20	"	"
Frank Duffuck	Gallup, nr. Boston	625	1 85	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Mashek	Petrie, nr. Fleet	$ 290	$ 1 25	Frame.	Dwelling.
Jas. Peterka	L. 80 Weckerling	400	1 65	"	"
J. Ehrig	Tod, nr. Francis	1,010	2 00	"	"
Henry Heskuer	Amelia, nr. Tod	280	1 65	"	"
W. Wood	S. W. Broadway, nr. Willson	3,000	4 40	"	"
Chas. Lieb	L. 34 A St.	350	1 55	"	"
S. Austin	L. 157 Willson	1,500	2 40	"	"
R. Borch	R. 334 Kinsman	450	1 60	"	"
Robt. Gedecki	92 Mount	250	1 70	"	"
Jas. Sheets	R. 2156 Broadway	300	1 75	"	Barn.
Jos. Brainard	R. 19 Brainard	300	2 25	"	"
S. Austin	L. 156 Willson	1,500	2 40	"	Dwelling.
F. Klaus	Broadway, nr. Brecksville	300	2 20	"	"
Jno. Meier	4 Amelia	400	1 30	"	"
Robt. Cunningham	Union, opp. Tod	200	1 30	"	Shop.
S. Austin	L. 155 Willson	1,500	2 40	"	Dwelling.
R. Oakley	Willson, nr. Broadway	1,300	2 70	"	"
Geo. Toker	R. 61 Ætna	75	1 20	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Kawalski	R. 40 Tamworth	$ 65	$ 1 15	Frame.	Barn.
Frank Shardinski	S. L. 201 Forman	100	1 30	"	"
	ADDITIONS AND ALTERATIONS.				
Christ Pontletz	Petrie, nr. Chard	70	1 00	Frame.	Shop.
C. Hedrek	197 Ackley	50	1 00	"	"
Van Allen & Jedleke	2345 Broadway	900	1 00	"	Rooms.
Chas. Penk	71 Ackley	100	1 00	"	"
Louis Kraus	43 Porter	500	1 00	"	"
Joe Trojm	34 Homewood	110	1 00	"	"
E. Knippenbeck	Evergreen, cor. Waterman	300	1 00	"	"
Gustav Fenger	L. 50 Butler	150	1 00	"	"
J. N. Edgerly	52 Brecksville	100	1 00	"	"
Jno. Shuman	95 Bliss St.	140	1 00	"	"
25 Portage	Broadway	325	1 00	"	"
Joe Devis	37 Goethe	180	1 00	"	"
Jos. Opperman	30 Portage	150	1 00	"	Tailor Shop.
August Bubak	69 "	80	1 00	"	Rooms.
Jos. Lejcikoosky	64 "	100	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Kahler	Tod, nr. Engel	$ 30	$ 1 00	Frame.	Rooms.
C. Barkwell	13 Engel	15	1 00	"	Shed.
Jno. Reziwska	391 Gallup	100	1 00	"	Rooms.
Chas. Schwetz	28 Goethe	200	1 00	"	"
Jno. Kendel	1822 Broadway	178	1 00	"	"
I. Swetz	R. Union, nr. Gallup	200	1 00	"	"
Jno. H. Seik	Herbert, nr. Butler	100	1 00	"	"
C. Shultz	34 Berwick	800	1 00	"	"
Thos. Hesson	Homewood, nr. Ivy	400	1 00	"	"
J. Abel	100 Wheatland	165	1 00	"	"
Jno. Kawalske	Tamworth, nr. Fleet	400	1 00	"	"
M. Brockinski	99 Fullerton	150	1 00	"	"
Jno. Ryger	319 and 321 Fleet	40	1 00	"	Shed.
Geo. Jockers	Ledyard, nr. Fleet	125	1 00	"	Rooms.
Jno. Vrana	56 Hamm	75	1 00	"	"
Jno. Kable	2 "D" St	150	1 00	"	"
E. Ames	C. V. R., nr. Broadway	50	1 00	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
G. Freydl	1880 Broadway	$ 24	$ 1 00	Stone.	Foundation.
Jos. Stepan	283 Morgan	80	1 00	Frame.	Rooms.
Wm. Wolf	2 Edgwood	110	1 00	"	"
W. Nowakowski	65 Weimer	240	1 00	"	"
Joe Pazonnek	Goethe, nr. Hamm	180	1 00	"	"
S. Plumstein	Fleet, cor. Vergennes	25	1 00	"	Shed.
E. Steinway	14 Francis	35	1 00	"	"
Emil Voegler	89 Stoneman	200	1 00	"	Rooms.
Jos. L. Brainard	24 Brecksville	300	1 00	"	"
Thos. Tusl	55 Goethe	150	1 00	"	"
Franz Strabeck	13 Weckerling	300	1 00	"	"
Joe Krache	72 Weimer	400	1 00	"	"
W. B. Foote	2124 Broadway	200	1 00	"	Store.
Jno. Pitilka	6 Guy	135	1 00	"	Rooms.
Wm. Sharp	137 Doloff	100	1 00	"	"
J. Welker	442 Kinsman	100	1 00	"	"
Wm. Kuptky	12 Ovington	200	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Chas. Messer	Grover, nr. Tod	$ 184	$ 1 00	Frame.	Rooms.
J. Havarecheck	Hamlet nr. Adolph	55	1 00	"	"
Eliza Cooper	2181 Fayette	380	1 00	"	"
Jno. Holecek	601 Tod	110	1 00	"	"
Aug. Kampf	11 Roland	250	1 00	"	"
Adam Lang	R. 21 Porter	15	1 00	"	Shed.
Abram Daveis	2148 Axtell	250	1 00	"	Rooms.
Aug. Finke	14 Consul	75	1 00	"	Barn.
Fred Schardt	16 Butler	400	1 00	"	"
Ignatz Klika	38 Weckerling	200	1 00	"	Kitchen.
Henry Kramer	244 Ackley	75	1 00	"	Barn.
Josef Holsan	53 Hamm	100	1 00	"	Kitchen.
	Ward 26.				
Board of Education	Miles Pk. cor. W. Hills	52,000	.....	Brick.	School House.
A. Schurhoff	L. 7 Atlantic	450	1 70	Frame.	Dwelling.
Geo. M. Hicks	L. 4 E. Madison	700	1 65	"	"
" "	L. 18 E. "	700	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Dora S. Hughes	2467, 2469 Haddock	$ 1,620	$ 2 75	Frame.	D. Dwelling.
Peter A. Carlsen	Aetna, cor. Sawyer	400	1 60	"	Dwelling.
Jas. Kilroy	L. 22 Wageman	550	1 85	"	"
Peter Gannon	L. 214 Chase	200	1 25	"	"
F. H. Jackson	L. 88 Atlantic	600	1 65	"	"
H. T. Scott	Wageman, nr. Axtell	1 500	2 65	"	"
Jas Tanzer	Anderson, nr. W. Hills	500	1 75	"	"
Edw. Ratzul	L. 9 E. Madison	600	2 10	"	"
Tim Reynolds	Cannon, nr. W. Hills	285	1 60	"	"
Henry Gottleib	L. 9 Fredwill	400	1 75	"	"
Needs Bros	Fuller, nr. W. Hills	700	1 90	"	"
Wm. Masterson	Clay, nr. Sandusky	335	1 55	"	"
Precilla Hutchinson	Jno. Rocks alt	400	1 40	"	"
C. C. Baldwin	Burdock, nr. Preble	850	2 15	"	"
" "	Atlantic, "	850	2 15	"	"
" "	L. 36 Fredwill	850	2 15	"	"
Wm. Becker	L. 47 "	450	1 50	"	"
J. Sweeney	L. 19 "	500	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Rudolph Voss	So. L, 22 Fredwill	$ 450	$ 1 45	Frame.	Dwelling.
A. McCann	Dunlap, nr. Woodland	200	1 65	"	"
Thos. Easton	Woodland Hills	1,035	2 55	"	"
Globe Oil Works	Bessemer, nr. R. R	3,000	16 70	"	Works.
Jno. Zent	L. 83 Burdock	600	1 75	"	Dwelling.
Wm. Kolman	Carton, nr, W. Hills	200	1 60	"	"
M. Gallagher	Lombard, nr. Woodland	300	1 50	"	"
W. W. Ormston	L. 7 Fredwill	550	1 65	"	"
J. F. Scheidecker	L. 95 Burdock	1,090	2 40	"	"
Christ Koch	L. 71 Burdock	500	1 50	"	"
W. M. Lawrence	Burdock, nr. Preble	750	1 95	"	"
J. Stetzinger	129 Atlantic	650	1 90	"	"
P. Schustrumpf	12 Fredwill	550	1 90	"	"
H. Westerweller	E. Madison, nr. Kinsman	400	1 35	"	"
Peter Carlsen	Aetna, cor. Sawyer	200	1 40	"	"
Wm. Liephart	Fuller, nr. W. Hills	300	1 50	"	"
Fred. Shulk	L. 80 Burdook	400	1 50	"	"
Waterfield & Zimlich	L 70 "	600	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Union R. M. Co.	Haddock, nr. Union	$ 250	$ 1 00	Frame.	Office.
Amos Heaps	Bissell, nr. Classen	65	1 00	"	Room.
P. Cunningham	Wales, nr. Police	50	1 00	"	Kitchen.
M. C. Hutchinson	2362 Broadway	15	1 00	"	Shed.
Wm. McKeon	Burke, nr. R. R.	100	1 00	"	Rooms.
M. Moran	2535 Haddock	200	1 00	"	Kitchen.
Mrs. J. Robinson	Aetna, nr. Rural	100	1 00	"	"
C. D. Woodbridge	2479 Elmo	25	1 00	"	Room.
Cleveland R. M. Co.	Wire, nr. C. P. Ry.	5,300	11 00	Brick.	Mill.
H. O'Malley	1392 Harvard	130	1 00	Frame.	Kitchen.
Thos. Thomas	2403 Haddock	125	1 00	"	"
A. W. Stambaugh	Harvard, nr. W. Hills	200	1 00	"	Rooms.
P. M. Hall	W. Hills, nr. Bessemer	300	1 00	"	Store.
Wm. Smith	Beacon, nr. W. Hills	125	1 00	"	Kitchen.
Anthony McCann	Dunlap, nr. Osgood	100	1 00	"	"
Jno. H. Watson	28 Wageman	160	1 00	"	"
Jos. Wichert	2119 Axtell	50	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
A. Waldeck	2285 Broadway	$ 75	$ 1 00	Frame.	Front.
M. McGreal	2430 Elmo	53	1 00	"	Office.
	Ward 27.				
Julius Klefeld	S. L. 73 Fullerton	285	1 50	Frame.	Dwelling.
H. Clause	Brecksville, nr. Covert	200	1 60	"	Barn.
R. McKay	S. L. 14 Dean	400	1 55	"	Dwelling.
R. Coleman Estate	101 Miles	50	1 30	"	Barn.
A. J. Dawson	L. 4 McConnell	550	2 25	"	Dwelling.
M. Woelke	Hosmer, nr. Skinner	275	1 60	"	Shop.
Bertha Christian	Miles, nr. W. Hills	750	2 70	"	Dwelling.
Jno. Kolzwiski	L. 1 Fremont	500	1 75	"	"
M. Wypsek	L. 8. St. Stanislaus	500	1 75	"	"
P. S. Collins	Fullerton, nr. Brecksville	400	1 70	"	"
Anton Forogoski	50 Granite	1,000	3 05	"	"
Jno. Easterman	L. 261 Buckingham	1,100	3 20	"	"
H. Hawallek	S. L. 361 Weimer	250	1 70	"	"
R. McKay	S. L. 14 Dean	400	1 65	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Wm. Laub	R. E. S. Broadway, nr. Miles	$ 350	$ 3 20	Frame.	Barn.
Val. Cozarz	56 Poland	450	1 60	"	Dwelling.
Jno. Kowlowski	58 "	450	1 60	"	"
Mary B. Skinner	L. 59 Skinner	400	1 75	"	"
E. Ames	15 Ames	800	2 55	"	"
Geo. Pearson	McConnell, nr. Covington	800	2 40	"	"
Jno. Seymouski	3 Fremont	400	1 40	"	"
Peter Selinski	46 Joseph	400	1 40	"	"
Martin Wolff	56 Posen	400	1 40	"	"
H. E. Falk	2720 Broadway	250	1 55	"	Barn.
Jacob Krabski	L. 145 Fullerton	600	2 10	"	Dwelling.
Frank Stedlenski	74 Skinner	600	1 95	"	"
Jno. Gisalski	216 Third Ave	450	1 95	"	"
Theo. Falke	Harvard, nr. W. Hills	425	1 60	"	"
David Johnson	Warner R., nr. Force	1,500	2 75	"	"
Herman Rahe	L. 18 Tioga	1,200	2 75	"	"
Louis Rau	L. 159 S. Willson	450	1 65	"	"
W. Bendras	Fleet, cor. Tod	650	2 55	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. Conroy	Spafford, nr. Canton	$ 725	$ 1 25	Frame.	Dwelling.
Robt. Williamson	S. L. 105 Elmwood	320	1 50	"	"
Dr. F. B. Norton	Miles, nr. W. Hills	3,000	4 35	"	"
Jno. Polak	Fleet, nr. Skinner	800	2 55	"	"
W. J. O'Brien	Harvard, nr. Bliss	225	1 70	"	Barn.
M. Walcak	34 Fleet	500	1 60	"	Dwelling.
Chas. Barkwill	L. 60 Skinner	400	1 45	"	"
" "	L. 58 "	400	1 45	"	"
Boehm Bros	4 College	1,200	2 70	"	"
" "	6 "	1,200	2 70	"	"
Jno. Probeck	Harvard, cor. Dean	160	2 25	"	Shed.
J. G. Fletcher	Brecksville Road	1,750	2 85	"	Dwelling.
P. Malone	Canton, nr. Elmwood	525	1 90	"	"
"	" "	525	1 90	"	"
"	" "	525	1 90	"	"
Felix Palinski	Third Ave., nr. Skinner	380	1 60	"	"
H. R. Deacon	2646 Broadway	500	1 35	"	Store.
Jno. Stefanski	L. 31 Fleet	465	1 65	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
V. Zilwinski	227 Third Ave	$ 450	$ 1 80	Frame.	Dwelling.
M'g't Cowin	L. 36 Pratt	1,350	2 85	"	"
Julius Klefeld	L. 72 Fullerton	720	2 05	"	"
Jos. Blaha	Purkyni, nr. Deveny	200	1 45	"	"
Jim Rejant	2315 Broadway	825	2 55	"	"
Julius Klefeld	S. L. 75 Fullerton	470	1 85	"	"
Julius Klefeld	" 74 "	670	2 05	"	"
David Morison	S. L. 428 Hosmer	400	1 55	"	"
Ernst Frost	Hosmer, nr. Brecksville	600	1 95	"	"
Waclav Lehky	18 Forman	400	1 80	"	"
Peter Ostzenski	Fullerton, nr. Tod	250	1 40	"	"
Polish Church	Brecksville, nr. Crapo	6,000	9 35	"	Church.
Alban Brugman	S. L. 381 Hosmer	800	2 40	"	Dwelling.
Henry Dippel	Hosmer, nr. Skinner	665	1 85	"	"
"	" " "	665	1 85	"	"
"	" " "	665	1 85	"	"
"	" " "	665	1 85	"	"
Jules Bernoski	169 Third Ave	450	1 70	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Geo. Sheffler	L. 28 Bissell	$ 600	$ 1 70	Frame.	Dwelling.
Sam'l Pease	Broadway, nr. Mull	75	1 25	"	Barn.
Jos. Posta	L. 474 Fremont	350	1 60	"	Dwelling.
Julius Legofski	Fleet, nr. Brecksville	620	1 80	"	"
Mike Kansy	Brecksville, nr. Alice	500	2 15	"	"
Isaac Reynolds	Valley R. R., nr. Hastings	5,000	51 40	"	Chemical Works.
Jno. Kruski	L. 429 Hosmer	345	1 50	"	Dwelling.
Henry Dipple	Hosmer, nr. Skinner	665	1 85	"	"
A. J. Wetherbee	R. 2308 Wilcox	250	1 75	"	Barn.
J. Jelinski	97 Hosmer	120	1 20	"	Dwelling.
Thos. Thomas	L. 77 Dercum	955	2 35	"	"
Julius Mosansky	R. Skinner, nr. Fullerton	300	1 20	"	Barn and Kitchen.
T. G. Davey	1985 Gaylord	600	2 15	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
H. S. Stein	77 Miles	30	1 00	Frame.	Shed.
Jno. Koudelka	Hosmer, nr. Tod	125	1 00	"	Kitchen.
Chas. Dettman	342 Turney	290	1 00	"	Rooms.
I. W. Deutsch	Broadway, nr. Axtell	400	1 00	"	Store Front.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Geo. Brewster	2527 Leopold	$ 375	$ 1 00	Frame.	Kitchen.
Eliza Robinson	1392 Harvard	50	1 00	"	"
Jos. Hoffman	1695 Hosmer	215	1 00	"	Rooms.
Wm. Snell	70 Ruggles	100	1 00	"	Kitchen.
C. T. Johns	1620 Harvard	750	1 00	"	Rooms.
J. D. Lewis	2419 Spafford	132	1 00	"	"
D. H. Johns	26 Bissell	75	1 00	"	Kitchen.
Jno. Coughlin	38 Eben	266	1 00	"	Rooms.
J. R. Marshall	Harvard, cor. Elmwood	100	1 00	"	Porch.
D. H. Guylfagh	303 Brecksville	18	1 00	"	"
D. C. Garfield	1853 Hughes	60	1 00	"	Kitchen.
W. Kennerson	1925 Miles Park	125	1 00	"	Barn.
Thos. Noonan	279 Fullerton	30	1 00	"	Kitchen.
Ellan Eagan	Spafford, nr. Canton	285	1 00	"	Rooms.
Mary A. Small	Miles, nr. W. Hills	100	1 00	"	Kitchen.
H. E. Falk	R. 2720 Broadway	35	1 00	"	Room.
Thos. Smaw	129 Miles	150	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Edw. Delaney	Warner, nr. Tioga	$ 350	$ 1 00	Frame.	Kitchen.
S. D. Evans	Waverly, nr. Spafford	75	1 00	"	"
A. J. Ross	228 Third Ave.	25	1 00	"	"
C. L. Ward	2348 Broadway	150	1 00	"	Store.
Henry Rahe	Tioga, nr. Turney	25	1 00	"	Kitchen.
Jane Atwater	1281 Harvard	100	1 00	"	"
	Ward 28.				
Cleveland Ship Bldg. Co.	Elm, Sycamore and Washn	9,000	58 55	Brick.	Boiler Shop.
Stranahan Bros	Spruce, nr. Pearl	500	6 00	Frame.	Ice House.
Rattle Nye	Old River, nr. State	50	1 20	"	Sample Room.
Bridget St. Clair	60 Mulberry	200	1 20	"	Dwelling.
Mrs. Frank Masterson	19 Spruce	700	2 30	"	"
Frank Sweeney	53 Division	400	1 60	"	"
Patk. Horan	North, nr. Hickory	400	1 60	"	"
Patk. O'Reilley	37 Mulberry	700	1 75	"	"
Annie Sammon	351 Washington	700	1 95	"	"
N. Y., P. & O. Dock	Pearl, near N. Y., P. & O. Ry	300	2 75	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. Kilban	North, cor. Hanover	$ 300	$ 1 45	Frame.	Dwelling.
Jas. Lawler	65 Hickory	550	2 15	"	"
	ADDITIONS AND ALTERATIONS.				
Theo. Kundtz	Centre, nr. Washn	26,000	52 00	Brick.	Cabinet Works.
Krause & Hannan	West River, nr. Main	150	1 00	Frame.	Office.
M. O'Donnell	71 Mulberry	725	1 00	"	Rooms.
Chas. Reilley	73 "	175	1 00	"	"
P. McTigue	Hanover, nr. Wharf.	20	1 00	"	Shed.
P. O'Donnell	R. 316 Washington	450	1 00	"	Dwelling.
Alex. Gallagher	109 Hanover	800	1 00	"	Rooms.
Louis Fisher	64 Hickory	450	1 00	"	"
Jno. Stanton	Willow St. Bridge	20	1 00	"	Shop.
Globe Iron Works Co.	Elm, nr. Main	2,000	5 00	Brick.	Foundry.
Jos. Corrigan	W. River, nr. Washn	55	1 00	Frame.	Barn.
P. McNulty	64 Hanover	50	1 00	"	Kitchen.
Jos. Feighan	R. 107 Main	150	1 00	"	Rooms.
R. L. Willard	57 "	240	.....	Brick.	Room.
T. J. Hayes	Elm, cor. Hemlock	50	1 00	Iron.	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	Ward 29.				
Mary Carey	173 Vermont	$ 300	$ 1 35	Frame.	Dwelling.
Fred Saal	317 Detroit	65	1 30	"	Shop.
W. J. Lynch	102 & 104 Vermont	2,300	3 55	"	Dwelling.
B. Chambers	409 Worthington	700	2 60	"	"
Jas. Gore	525 Detroit	2,464	2 90	"	2 "
Franklin Pierce	194 Hanover	1,500	3 05	"	Dwelling.
V. A. E. Dustin	Duane, nr. Clinton	2,000	2 85	"	"
Wm. Long	R. 220 Hanover	135	1 35	"	Barn.
Jno. McDonnell	R. 76 Taylor	75	1 80	"	"
D. J. Powers	Clinton, cor. Duane	5,000	5 30	"	Dwelling.
R. Pollock	115 Clinton	2,650	3 25	"	"
H. G. Taylor	Pearl, nr. Franklin	835	2 25	"	"
"	" "	835	2 25	"	"
"	" "	835	2 25	"	"
"	" "	835	2 25	"	"
"	" "	835	2 25	"	"
A. Dillon	Detroit Court, nr. Detroit	1,700	2 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Anna English	S. S. Washington, nr. State	$ 700	$ 1 60	Frame.	Dwelling.
	ADDITIONS AND ALTERATIONS.				
Jno. B. Foster	Hanover, nr. Detroit	100	1 00	Frame.	Shed.
R. A. Castner	256 Detroit	125	1 00	"	Store Front.
Caroline Lampho	91 State	50	1 00	"	Rooms.
Louise M. Tower	206 Clinton	1,200	3 00	"	"
Robt. Mark	R. 83 Clinton	250	1 00	"	"
Martin Muller	480 Detroit	800	1 00	"	"
Margaret O'Maly	356 Washington	400	1 00	"	"
H. Stevenson	496 Detroit	20	.....	"	Repairs.
W. J. Starkweather	204 & 206 Detroit	50	1 00	"	Rooms.
Heil Bros. & Hill	R. 268 Detroit	50	1 00	"	Shed.
R. R. Root Estate	257 & 259 Pearl	150	1 00	"	Store.
Elizabeth Schneider	498 Detroit	200	1 00	"	"
Patrick O'Boyle	372 "	30	1 00	"	Rooms.
Jno. Tammaney	Aust, nr. Hanover	75	1 00	"	"
H. B. Van Norman	259 Franklin	1,000	3 00	"	"
Mrs. J. Boehr	Hanover All., nr. Oriole	800	1 00	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
D. W. Garringer	232 Hanover	$ 95	$ 1 00	Frame.	Barn.
	Ward 30.				
Cong'l Church	Franklin, cor. Waverly	10,000	3 00	Brick.	Church.
Ship Owners D. D. Co.	Old River Bed, nr. Waverly	300	2 70	Frame.	Store House.
J. J. O'Donell	Hermann, nr. Weddell	1,000	2 30	"	Dwelling.
Schlather Bwg. Co.	Old River St., nr. Weddell	1,000	3 85	"	"
W. H. Woodard	R. 298 Clinton	250	1 70	"	Barn.
Wm. Bucklwltz	118 Weddell	40	1 15	"	Shed.
Mr. McNeeley	L. 1 Hermann	125	1 30	"	Butcher Shop.
F. L. Dyke	L. 17 West Clinton	1,055	2 10	"	Dwelling.
Jno. Morgan	22 Stone	100	1 25	"	Barn.
C. L. Newell	R. 453 Franklin	400	2 30	"	"
Thos. Allen	127 23rd Ave	900	2 25	"	Dwelling.
W. H. Radliff	St. Paul, nr. Old R. Bed	675	1 95	"	Office.
R. Fetterman	294 Clinton	1,560	2 95	"	Dwelling.
Jno. H. Toms	592 Detroit	350	2 35	"	"
J. J. Grimes	L. 385 23rd Ave	1,000	2 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
G. A. Craig	188 Waverly	$ 3,200	$ 3 95	Frame.	Dwelling.
Thos. W. Collins	93 Weddell	325	1 70	"	"
J. G. Stewart	Detroit, nr. Gordon	3,000	3 85	"	"
A. B. Hall	L. 32 W. Clinton	1,400	2 25	"	"
Mary E. Gallagher	23rd Ave., nr. Waverly	700	2 50	"	"
Mary Needham	" Weddell	665	1 80	"	"
C. Lee	W. Clinton, nr. "	1,500	2 30	"	"
J. T. Hutchinson	499 Franklin	3,500	3 55	"	"
Mary Lynch	Hermann, nr. Waverly	1,800	2 50	"	D. "
"	" "	1,800	2 50	"	" "
Maria E. Stockel	Detroit, nr. Courtland	1,800	3 90	"	Store and Dwelling.
Jno. J. Duffy	622 23rd Ave	300	1 65	"	Barn.
D. H. Kimberly	L. 107 Scott	1,000	1 90	"	Dwelling.
W. J. Gallagher	13 Liberty	1,000	2 20	"	"
	ADDITIONS AND ALTERATIONS.				
Bettie Jordan	198 23rd Ave	7.0	1 00	Frame.	Rooms.
J. S. Kuentz	53 Dare	45	1 00	"	Porch.
Mary Armstrong	Hermann, nr. Waverly	450	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jas. Ferrunn	24 Birch	$ 112	$ 1 00	Frame.	Rooms.
Mary Welsh	161 Hermann	460	1 00	"	"
Mrs. M. Ferguson	Detroit, cor. Birch	1,000	3 00	"	"
J. M. Coffinberry	53 Scott	300	1 00	"	"
Hill Clutch Wks	Waverly, nr. L. S. Ry	995	1 00	"	"
Jno. D. Murray	23 Birch St	25	1 00	"	"
Geo. Peters	16 "	50	1 00	"	"
A. McDonald	598 Detroit	60	1 00	"	"
Walker Mfg. Co	Waverly, nr. L. S. R. R	700	1 00	"	Foundry.
"	" "	950	1 00	"	"
B. J. Wilks	22 Courtland	250	1 00	"	Rooms.
Joe Fehan	36 Stone	250	1 00	"	"
Edmund James	87 Scott	163	1 00	"	"
H. P. Church	202 Waverly	85	1 00	"	Shed.
Leo Fehenbach	93 Stone	300	1 00	"	Kitchen.
	Ward 31.				
Jos. Steinkamp	127 Root	1,200	3 90	Frame.	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mrs. Raff	104 Birch	$ 1,015	$ 2 50	Frame.	Dwelling.
G. R. Vaughn	47 Root	1,400	2 00	"	"
Joe. Weitz	159 Birch	500	2 20	"	"
Mrs. Dognan	187 Liberty	1,200	2 20	"	"
Peter Tittlebach	Dare, nr. E. Detroit	1,500	3 60	"	Store and Tenement.
P. Hugo	114 Root	1,700	3 65	"	Dwelling.
Alvin House	190 Birch	1,600	2 65	"	"
M. Bushnell	165 Liberty	940	2 15	"	"
Christ Steuber	891 Lorain	75	1 35	"	Barn.
Wm. Walker	R. 76 Liberty	100	1 35	"	"
	ADDITIONS AND ALTERATIONS.				
Henry Leiting	1096 and 1097 Lorain	60	1 00	Stone.	Cellar.
Jno. Ingram	117 Root	200	1 00	Frame.	Rooms.
N. M. Jones	166 Taylor	500	1 00	"	Hall and Room.
Gustav Schaefer	911 Lorain	130	1 00	"	Shop.
Luke H. Wellet	127 Birch	950	1 00	"	Rooms.
L. B. Pettis	31 Root	100	1 00	"	Rooms and Shed.
David Benton	136 Whitman	100	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
H. Koester	88 Fulton al	$ 300	$ 1 00	Frame.	Rooms.
Mrs. Smith	163 Dare	400	1 00	"	"
Jacob Bruehler	239 "	550	1 00	"	"
Jno. Rehm.	180 Liberty	195	1 00	"	"
Richard Harrison	30 John	100	1 00	"	Kitchen.
Edmund Jackson	134 Harbor	150	1 00	"	Rooms.
J. L. Shepard	211 Bridge	30	1 00	"	Kitchen.
Anne Wasson	170 Birch	50	1 00	"	"
F. Johannas	186 "	35	1 00	"	Dry Room.
Minnie E. Peets	130 Root	225	1 00	"	Rooms.
E. M. Sherman	295 Bridge	125	1 00	"	Dry Room.
Barney Kremer	109 Root	150	1 00	"	Rooms.
Jno. Ingram	119 "	600	1 00	"	"
Fred Markel	995 Lorain	25	1 00	"	Shed.
Jessie L. Fay	114 Liberty.	40	1 00	"	Room.
	Ward 32.				
Wm. Kramer	717 & 719 Lorain	4,000	7 35	Brick.	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Rev. C. Reichlin	Scott, nr. Bridge	$ 4,000	$ 5 10	Brick.	School and Tenem't.
R. Gilmour	Gordon, nr. Lawn	6,000	6 35	"	Parsonage.
Jas. Hill	257 Waverly	250	1 70	"	Barn.
D. H. Kimberly	R. S. S. Lawn	1,100	1 90	Frame.	Dwelling.
"	"	1,100	1 90	"	"
Walter Krewson	95 Colgate	500	2 70	"	"
Mrs. J. M. Shipman	258 Waverly	125	1 70	"	Barn.
G. W. Bennager	162 "	300	2 10	"	Dwelling.
Carrie A. Turton	110 Dare	1,500	3 05	"	D. "
F. Burket	Lorain, nr. Gordon	2,000	3 90	"	"
Geo. Monson	319 Waverly	1,400	2 35	"	"
Adam Lehr	Gordon, cor. Bayne	2,000	3 30	"	Barn.
W. B. Mumford	254 Waverly	200	1 50	"	Dwelling.
Mrs. E. L. Bramley	169 Scott	1,200	2 70	"	"
Alfred Lewis	Courtland, nr. Bridge	1,000	2 50	"	"
"	" "	1,000	2 50	"	"
C. N. Lacey	1559 Lorain	250	1 45	"	"
S. Clark	155 Lawn	600	1 70	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
C. Engel	1447 Lorain	$ 300	$ 1 65	Frame.	Dwelling.
Ralph Ingersoll	18 Berg	200	1 35	"	"
Peter Jacobs	97 Colgate	500	1 70	"	"
Wm. Lavinsman	245 Courtland	1,050	1 95	"	"
Fred A. Peter	L. 73 W. Madison	750	2 15	"	"
Fred Baggett	220 Courtland	1,350	2 95	"	3 "
G. W. Bennage	258 Waverly	2,000	3 80	"	Dwelling.
Geo. A. Pfaffman	115 Lawn	1,800	3 10	"	"
C. J. Keef	Pear, nr. Gordon	400	1 90	"	"
S. Sauer	Waverly, cor. Aspen	1,100	1 85	"	"
Jno. Olderman	Lorain, nr. Myrtle	975	2 50	"	"
Jno. B. Foster	359 Gordon	125	1 10	"	"
Jewish Hung'n Soc'y	Fir, nr. Waverly	625	1 80	"	"
G. T. Terbeck	28 Payne	1,025	2 20	"	"
Wm. E. Gehres	1613 Lorain	1,000	2 60	"	"
Jno. Olderman	Lorain, nr. Myrtle	1,000	2 60	"	"
Robt. Boys	Ridge, nr. Brig	300	1 45	"	"
Urban Wasmer	R. 1363 Lorain	985	2 30	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. C. Curran	338 Bridge	$ 1,400	$ 2 70	Frame.	Dwelling.
E. S. Root	Courtland, nr. Bridge	700	1 85	"	"
J. A. Flewelling	R. 118 Courtland	75	1 40	"	Barn.
G. Broeker	Lawn, nr. Aspen	935	2 05	"	Dwelling.
C. S. Peterson	149 Lawn	700	2 30	"	"
M. Gallagher	R. 97 Lawn	275	1 65	"	Barn.
Jas. McDonnell	L. 83 Dudley	400	1 35	"	Dwelling.
"	L. 83 Elton	400	1 35	"	"
Mat Arns	Lorain, nr. Ridge	1,500	4 15	"	Store and Tenement.
A. Howard	30 Colgate	300	1 30	"	Dwelling.
Christ Henning	R. 59 Colgate	200	1 60	"	"
Edwd. McFarland	Lorain, cor. Geib	2,500	3 60	"	"
	ADDITIONS AND ALTERATIONS.				
Jas. Hill	257 Waverly	100	1 00	Frame.	Kitchen.
Wm. Grothe	20 Lawn	450	1 00	"	"
Frank Miller	69 Lawn	850	1 00	"	Rooms.
Thos. Allen	86 Elton	40	1 00	"	Kitchen.
H. Benton	24 Dare	300	1 00	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jos. Conroy	26 Colgate	$ 50	$ 1 00	Frame.	Kitchen.
Capt. Murphy	Lawn, nr. Gordon	900	1 00	"	Rooms.
C. T. Rice	38 Bayne	120	1 00	"	Kitchen.
H. Kuase	R. 667 Lorain	1,700	3 00	"	Shop and Tenement.
Jas. Thornton	255 Lawn	275	1 00	"	Store.
C. A. Arnhold	10 Colgate	250	1 00	"	Kitchen.
—— Rodgers	47 "	780	1 00	"	Rooms.
B. Saelwicher	18 W. Madison	200	1 00	"	Kitchen.
Rose B. Skeels	160 Courtland	25	1 00	"	Shed.
Elizabeth Niggle	23 Pear	50	1 00	"	"
Jacob Hinkel	1567 Lorain	175	1 00	"	Rooms.
Henry Weinals	R. 262 Courtland	250	1 00	"	"
Jno. Buehrer	McLean, nr. Monroe	700	1 00	"	"
	Ward 33.				
McGorry & Son	721 & 723 Lorain	300	.....	Stone.	Foundation.
S. C. & H. M. & S. E. Brooks	R. Pearl, nr. Vestry	8,000	16 85	Brick.	Stores.
Greiner Bros	Lorain, nr. McLean	35,000	65 45	"	Stores and Tenem'ts.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
C. F. L. Wieber	Pearl, cor. Jay	$ 18,000	$ 7 55	Brick.	Stores and Tenem'ts.
Chas. Hersnan	McLean, nr. Market	6,500	10 40	"	" "
C. Weiber	465 Pearl	500	1 75	"	Stores.
J. H. Lord	56 Jay	40	1 10	Frame.	Shed.
E. E. Ashley	15 Vestry	2,000	2 75	"	Dwelling.
Elizabeth Schneider	R. 40 Woodbine	450	1 50	"	"
A. Rogers	12 John	300	1 45	"	Barn.
C. B. Humison	35 Woodbine	1,000	2 10	"	Dwelling.
Walther & Walz	695 Lorain	25	1 15	"	Office.
E. S. Lockwood	Whitman, cor. Randall	1,500	2 65	"	Dwelling.
"	" "	2,000	3 60	"	"
Michael Hawley	70 Whitman	1,000	2 15	"	"
P. O'Malia	37 John	1,200	2 30	"	"
Holland Brown	45 Fulton	500	1 75	"	"
Mary Schmidt	98 Whitman	900	2 30	"	"
T. Hendrickson	51 "	1,400	2 90	"	"
Joe Steinhauser	91 "	600	2 15	"	"
M. Whalen	Kentucky, nr. Reservoir	350	1 40	"	Store.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jos. Turton	96 Woodbine	$ 200	$ 1 40	Frame.	Barn.
Jno. Goetz	521 Pearl	35	1 10	"	"
A. Conlan	89 Carroll	1,000	2 10	"	Dwelling.
G. R. Whitman	106 Whitman	1,000	2 00	"	"
Christ Freeze	765 Lorain	2,500	5 85	"	Store and Tenement.
Jno. Darmstadt	59 Carroll	400	1 80	"	Dwelling.
Jas. Hammerstenger	148 Bridge	1,000	2 65	"	"
C. D. Fortlage	222 "	1,300	2 60	"	"
F. Fetzer	R. 133 Fulton	80	1 65	"	Barn.
Elizabeth Weideman	Bridge, cor. Randall	1,100	2 80	"	Dwelling.
C. F. & G. D. Haeberle	R. 78 Bridge	325	1 70	"	Barn.
H. Solomon	35 Fulton Al	335	1 60	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
Fries & Schuele	575 and 581 Pearl	2,000	5 00	Frame.	Alterations.
Clarence Newell	Pearl, nr. Carroll	500	1 00	"	Front.
Henry Heil	516 Pearl	500	.....	"	"
Holland Brown	45 Fulton	200	1 00	"	Rooms.
M. Goodman	R. 845 Lorain	150	1 00	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Bortenstein	142 Bridge	$ 650	$ 1 00	Frame.	Rooms.
Aug. Zwierlein	497 Pearl	200	1 00	"	Front.
Wm. Kramer	717 and 719 Lorain	1,000	3 00	"	Rooms.
W. M. Crowell	268 Franklin	300	1 00	"	"
M. G. Kurtz	116 Duane	25	1 00	"	Shed.
G. A. Laubscher	134 "	400	1 00	"	Kitchen.
W. F. Putnam	R. 116 "	50	1 00	"	Barn.
Margaret M. Burns	13 Penn	50	1 00	"	Bay Window.
J. E. Kelley	71 Carroll	75	1 00	"	Kitchen.
C. Weber	461 Pearl	100	1 00	"	Store.
First Ref. Church	Carroll, cor. Penn	2,500	5 00	Brick.	Church.
C. J. Faulhaber	139 Whitman	200	1 00	Frame.	Kitchen.
J. F. Walz	121 Fulton	350	1 00	"	Shed.
Henry Reece	745 Lorain	200	1 00	"	Alterations.
Chas. Fox	537 Pearl	65	1 00	"	Front.
Prot. Epis. Church	Kentucky, nr. Bridge	15	1 00	"	Closet.
Wm. Williams	112 Whitman	150	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Thos. Manny	93 Woodbine	$ 500	$ 1 00	Frame.	Kitchen.
C. B. Guild	37 Fulton	15	1 00	"	Shed.
M. Welch	49 Jay	555	1 00	"	Rooms.
Jno. Meckes	Pearl, cor. Carroll	600	1 00	Brick.	Wall.
Wm. Turton	174 Taylor	600	1 00	Frame.	Rooms.
Rev. Wm. Baker	697 Lorain	150	1 00	"	Store.
J. A. Loew	677 "	25	1 00	"	Rooms.
J. G. Steiger	14 Fulton al	250	1 00	"	"
Margaret McLeod	103 Bridge	200	1 00	"	Kitchen.
H. Perry	14 John	35	1 00	"	Bay Window.
O. P. Newcomb	Vestry, nr. York	70	1 00	"	Shed.
Mary Holey	145 Bridge	750	1 00	"	Rooms.
G. Auer	633 Lorain	400	1 00	"	Front.
	Ward 34.				
Oppman Brewing Co.	Columbus, nr. Willey	2,500	5 65	Brick.	Ice M. Room.
Young & Fulton L. Co.	12, 14, Carter	1,000	4 90	"	Mill.
Wm. Schmidt	Abbey, nr. Smith	600	3 10	Frame.	Shop.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Gruhn	Franklin, nr. Pearl	$ 497	$ 1 65	Frame.	Dwelling.
C. E. Gehring	1 W. S. Columbus	1,550	3 65	"	"
" "	2 "	1,550	3 65	"	"
Jno. O'Malley	69 Franklin	400	2 00	"	"
Woods, Jenks & Co	Carter, nr. Scranton	800	8 05	"	Dry Kiln.
Geo. Young	36 Bradford	700	2 10	"	Dwelling.
Wm. Callahan	L. 1 Tracy	500	1 45	"	"
"	L. 2 "	500	1 45	"	"
"	L. 3 "	500	1 45	"	"
"	L. 1 Moore	500	1 45	"	"
"	L. 2 "	500	1 45	"	"
"	L. 3 "	500	1 45	"	"
Jno. G. Jennings	558 Pearl	4,100	5 35	"	"
L. Retz	Columbus, nr. Franklin	2,600	5 70	"	"
Mrs. Schenk	392 Pearl	1,300	3 00	"	D. Dwelling.
Henry Kelley	487 West River	300	1 20	"	"
Mrs. L. Dallwigk	23 Bridge	1,500	2 45	"	"
Dr. F. J. Weed	380 Pearl	200	2 25	"	Carriage House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Kate Welch	Franklin, nr. Columbus	$ 550	$ 1 60	Frame.	Dwelling.
Carling Brew'g Co.	393 River	600	1 70	"	2 "
Quivive Pleasure Club	Willey, nr. Tracy	50	1 50	"	Club House.
Mrs. E. K. Churchill	Lorain, cor. Columbus	2,000	7 05	"	Store and Tenement.
Jas. Langhorne	R. 100 Hicks	1,200	2 15	"	Dwelling.
F. H. Marshall	88 Tracy	725	1 55	"	"
	ADDITIONS AND ALTERATIONS.				
R. R. Rhodes	416 Pearl	175	1 00	Frame.	Front.
Greif Bros	248 Willey	1,875	3 00	"	Manufactory.
Potter, Birdsall & Co.	7 Carter	200	1 00	"	Barn.
A. Ecker	28 Lorain	55	1 00	"	Kitchen.
Jno. Cain	40, 42 Hicks	500	1 00	"	Rooms.
S. C. Meeker	512 Abbey	470	1 00	"	"
Riverside Fdy. Co.	26 Carter	60	1 00	"	Shed.
Saml. Curtis	318 Pearl	300	1 00	"	Store.
Jno. Faulkner	98 Tracy	250	1 00	"	Rooms.
Edward Byrne	98 Hicks	100	1 00	Stone.	Foundation.
Margaret Lyons	19 Brock	200	1 00	Frame.	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Mrs. W. S. Springer	6 Bridge	$ 270	$ 1 00	Frame.	Kitchen.
Christ Candall	97 Smith	300	1 00	"	Rooms.
Variety Iron Wks	51 Scranton	800	1 00	"	Shop.
Oppman Brewing Co	Willey, cor. Columbus	7,000	15 00	Brick.	Brewery.
C. Frese	124 Burton	75	1 00	Frame.	Kitchen.
F. A. Weed	358 Pearl	200	1 00	"	Alterations.
Jos. Chavoonka	17 Hicks	40	1 00	"	Barn.
Krumhar & Stiles	548 Pearl	30	1 00	"	Front.
Potter, Birdsall & Co	10 Carter	250	1 00	"	Sheds.
	Ward 35.				
Chas. Rauch	Pearl, nr. Monroe	9,300	21 80	Brick.	Carriage Factory.
Chas. Gumlich	690 Lorain	1,300	2 95	Frame.	Store.
Geo. Lonondecker	R. 95 York	175	1 80	"	Barn.
Henry Leopold	R. 26 Willett	800	2 35	"	D. Dwelling.
E. E. Ashley	85 McLean	650	2 30	"	Dwelling.
Peter Gerlach	R. 47 McLean	600	2 20	"	"
F. H. Henke	104 Mechanic	600	2 20	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Peter Eichler	R. 54 Monroe	$ 500	$ 1 75	Frame.	Dwelling.
H. F. Luken	Jersey, nr. Lorain	1,000	2 85	"	"
Augusta Guyer	41 Chatham	1,250	2 85	"	"
Jos. Joers	Freas, nr. Palm	500	2 35	"	"
J. F. Bruggeman	724 Lorain	3,000	5 35	"	Store and Tenement.
Mr. Weber	R. 43 Mechanic	100	1 40	"	Barn.
Carl Villwock	Monroe, nr. McLean	1,000	2 25	"	Dwelling.
"	" "	1,000	2 25	"	"
"	" "	1,000	2 25	"	"
"	" "	1,000	2 25	"	"
Wm. Hart	117 York	700	2 45	"	"
Clevd. Petrolatum Co.	767 and 773 Pearl	150	1 45	"	Office.
Jos. Winkler	Chatham, nr. York	750	2 20	"	Dwelling.
Geo. A. Tinnerman	Mechanic, nr. Willett	1,000	5 80	"	Shop.
Jno. Wagner	61 Chatham	600	1 90	"	Dwelling.
J. A. Kinkink	38 Mechanic	500	1 95	"	"
Jno. Becker	25 Ward	65	1 40	"	Barn.
Jno. Meyer	67 Green	275	1 45	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
A. L. Schutt	49 Green	$ 1,300	$ 2 90	Frame.	D. Dwelling.
H. Kluver	43 Keene Al	100	1 20	"	Shed.
Paul Bachert	Pearl, cor. Monroe	1,300	3 00	"	Store and Tenement.
Mrs. Jas. Kelley	56 McLean	1,000	2 75	"	Dwelling.
Schmitt & Fredricks	R. 19 China	250	1 85	"	Barn.
	ADDITIONS AND ALTERATIONS.				
Aug. Platt	632 & 634 Lorain	40	1 00	Frame.	Front.
Maria Howells	170 York	130	1 00	"	Kitchen.
W. F. Loetsch	8 Burton.	40	1 00	"	Barn.
F. Hoffman	25 Willett	365	1 00	"	Rooms.
Miss N. Marville	28 Mechanic	1,000	3 00	"	Dwelling.
Geo. Koch	97 Jersey	500	1 00	"	Rooms.
Jacob Schenck	32 Green	175	1 00	"	Kitchen.
Geo. Scherman	105 Chatham	250	1 00	"	Rooms.
Wm. Hockhouse	31 Willett	125	1 00	"	Kitchen.
Rauch & Lang C. Co	22 Monroe	140	1 00	"	Shed.
Jno. Hausler	115 Frease	150	1 00	"	Alterations.
Fred Tonsing	146 Chatham	115	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Miller	Lorain, nr. Jersey	$ 400	$ 1 00	Frame.	Rooms.
F. Krueger	20 Horace	100	1 00	"	"
F. Wohrmann	107 Jersey	30	1 00	"	Porch.
Jno. Alber	71 Chatham	35	1 00	"	Kitchen.
Mr. Beck	91 McLean	200	1 00	"	Alterations.
Henry Wenneman	60 Willett	250	1 00	"	Rooms.
Jno. Kurz	644 Lorain	300	1 00	"	Front.
C. Brunel	848 "	700	1 00	"	"
Chas. Rauch	Pearl, nr. Monroe	5,400	11 00	Brick.	Carriage Factory.
Jos. Mellert	116 Burton	150	1 00	Frame.	Kitchen.
Socialer Turnverein	866 Lorain	2,100	5 00	"	Turn Hall.
—— Gastonocher	Willett, nr. Lorain	200	1 00	"	Front.
Elizabeth Dixon	677 Pearl	100	1 00	"	Office.
A. Lind	734 Lorain	75	1 00	"	Sheds.
Frank A. Herr	Mill, cor. York	400	1 00	"	Rooms.
H. Wolf Kemmer	33 Willett	25	1 00	"	Shed.
G. W. Krozur	647 Pearl	200	1 00	"	Room.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
J. H. Knippenberg	101 Monroe	$ 100	$ 1 00	Frame.	Kitchen.
Henry Boll	65 Willey	150	1 00	"	"
J. Dunning	60 Ward	50	1 00	"	Porch.
Mrs. Hartman	87 Mechanic	180	1 00	"	Kitchen.
Mrs. Eggert	646 Lorain	150	1 00	"	Front.
	Ward 36.				
Board of Education	Gordon, nr. Lorain	52,638	.....	Brick.	School.
W. J. Haase	L. 15 Gordon	375	1 85	Frame.	Dwelling.
Geo. Brunner	Conrad, nr. Ridge	50	1 65	"	Barn.
B. Haveldell	Gordon, nr. Gordon Ct.	700	1 90	"	Dwelling.
C. Portz	81 Burton	25	1 15	"	Barn.
H. Reinhardt	L. 2 Bartlett Ct.	400	1 80	"	Dwelling.
P. Shannon	246 Liberty	200	1 40	"	"
R. A. Millgate	Bridge, nr. Lorain	600	2 30	"	"
Fred. Seeger	79 Ravine	50	1 25	"	Barn.
John De Balt	23 Guernsey	600	2 00	"	Dwelling.
Peter Obernauer	8 Height	300	1 60	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Henry Fortlage	20 Cook	$ 1,300	$ 3 15	Frame.	Dwelling.
G. Pfahl	L. 140 Robert	400	1 75	"	"
G. Betcher	47 Swiss	500	2 00	"	"
P. Gideon	Clark, nr. Gordon	1,500	3 85	"	"
Carl Adam	L. 312 Conrad	510	1 80	"	"
L. M. & C. I. Wright	L. 53 Grace	900	2 80	"	"
John Millman	Bartlett Ct. nr. Harbor	750	1 90	"	"
Ed. Shaddock	Taylor, nr. N. P. R. R.	300	1 55	"	"
B. H. Bammerlin	" nr. Lorain	2,400	3 00	"	Bakery.
Mrs. McSeeger	40 Conrad	350	1 40	"	Dwelling.
Henry Glauve	Higgins, nr. Hope	500	2 25	"	Dwelling and Barn.
John Moran	R. 166 Root	100	1 60	"	Barn.
Aug. Spenglar	19 Cook	400	1 75	"	Dwelling.
Thos. Oldermann	85 Ravine	375	1 65	"	"
Hugh McLaughlin	Hope, nr. Higgins	300	1 55	"	"
Alfred Herold	15 Orchard	1,100	2 30	"	"
Andrew Elben	Lorain, cor. Ridge	2,800	9 10	"	Store and Tenement.
Gottlieb Betzer	47 Swiss	30	1 15	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
H. Koelle	252 Harbor	$ 950	$ 2 55	Frame.	Dwelling.
J. McCafferty	S. L. 252 Hope	300	1 45	"	"
J. G. Schaefer	15 Burton	2,500	3 55	"	"
Woods, Jenks & Co.	S. L. 165 and 166 Lorain	500	2 85	"	Shed.
Chas. Mack	121 Burton	250	1 40	"	Dwelling.
Rudolph Roglin	361 Dare	1,161	2 70	"	"
F. C. Goodman	Gordon Ct., nr. Gordon	450	1 55	"	"
Neal Norton	1112 and 1114 Lorain	1,900	5 20	"	Store and Tenement.
Frank Wollsifer	R. 33 Grace	50	1 30	"	Barn.
David Maurer	65 Burton	900	2 50	"	Dwelling.
R. Koobam	L. 282 Holt	250	1 40	"	"
M. Maxwell	Purdy, nr. Lorain	1,200	2 20	"	"
John Thompson	Hope, nr. Ridge	450	1 85	"	"
Fred. Schucker	33 Ravine	260	1 60	"	"
Joes. Zimmer	Hope, nr. Ridge	800	2 45	"	"
Susana Mitchel	Alum, nr. Clark	300	1 75	"	"
George Buhl	L. 90 Harbor	250	1 50	"	"
George Wagner	W. S. Swiss	1,200	2 20	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
B. Kremer	45 Swiss	$ 900	$ 1 95	Frame.	Dwelling.
F. C. Goodman	Gordon, nr. Park	700	1 85	"	"
"	" "	700	1 85	"	"
Aug. Noss	Conrad, nr. Higgins	600	1 85	"	"
F. C. Goodman	197 Root	700	1 85	"	"
James Hopwood	Lorain, nr. Harbor	2,500	3 70	"	"
Geo. Kolb	341 Taylor	475	1 70	"	"
R. E. Moore	349 Dare	1,500	3 80	"	D. "
Geo. Faulhaber	Jennings, nr. Castle	9,000	6 60	"	Dwelling and Barn.
Chas. Johannas	21 Guernsey	430	1 85	"	Dwelling.
Geo. Kolb	Dare, nr. Lorain	625	1 75	"	"
"	" "	625	1 75	"	"
Theo. Conzeski	Hope, nr. Ridge	325	1 40	"	"
Jacob Ehrbar	211 Root	720	1 80	"	"
Geo. P. Schnuhrer	Ridge, cor. Clark	1,000	2 35	"	"
Otto Mayer	240 Birch	300	1 45	"	"
Geo. Morgan	L. 33 Swiss	400	2 65	"	Barn.
Adam Hopf	50 Conrad	50	1 45	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
R. Rhody	Prague, nr. Wine	$ 550	$ 1 70	Frame.	Dwelling.
Wm. Fournier	L. 156 Ridge	350	1 50	"	"
Jno. Reilley	407 Harbor	700	1 85	"	"
Geo. Prochtil	1408 Lorain	230	2 45	"	Shop.
Steven Potosinki	L. 21 Clark	400	1 35	"	Dwelling.
Thos. Mellert	Bartlett Ct., nr. Harbor	625	1 75	"	"
J. C. Bartlett	" "	725	2 05	"	"
"	" "	725	2 05	"	"
Jos. Krem	Hope, nr. Lorain	300	2 10	"	"
Wm. Miller	141 Higgins	20	1 15	"	Shed.
Jacob Theobald	Liberty, nr. Ravine	745	1 60	"	Dwelling.
"	" "	745	1 60	"	"
"	" "	745	1 60	"	"
Ernst Scherler	31 Ravine	700	2 00	"	"
Chas. Gittinger	278½ Liberty	600	2 05	"	"
A. Ammersbach	Clark, nr. Ridge	1,200	3 00	"	Store and Tenement.
Jacob Theobald	W. S. Smith, nr. R. R.	850	4 30	"	Store and House.
Henry Lutz	9 Bartlett Ct.	500	1 75	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Alfred Nelson	Grace, cor. Ridge	$ 525	$ 1 70	Frame.	Dwelling.
H. Meyer	24 Apple	165	1 80	"	Barn.
Seber Reimund	L. 14 Purdy	800	2 65	"	Dwelling.
Jno. H. Bredeler	39 Swiss	300	1 80	"	"
Mrs. H. B. Carpenter	Alum, nr. Lorain	500	1 75	"	"
Jos. Harvensteter	5 Hague	75	1 35	"	Barn.
Jno. Fisher	396 Waverley	95	1 30	"	"
	ADDITIONS AND ALTERATIONS.				
Jno. Hugo	113 Alum	150	1 00	Frame.	Shop.
C. Bechler	85 Train	150	1 00	"	Kitchen.
Jno. Hollenmeyer	39 Chatham	360	1 00	"	Room.
Frank Schmidt	1439 Clark	45	1 00	"	Kitchen.
Fred. Emhuser	362 Harbor	150	1 00	"	Room.
P. Burgess	392 "	100	1 00	"	Kitchen.
Jno. A. Noderer	1288 Lorain	700	1 00	"	Front.
Jno. R. Tanhoper	408 Waverley	275	1 00	"	Rooms.
Jno. Cline	1312 Lorain	800	1 00	"	Front.
Chas. M. McMammon	60 Higgins	150	1 00	"	Kitchen.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Frank Kohl	27 Burton	$ 50	$ 1 00	Frame.	Kitchen.
John Goellnitz	422 Waverley	125	1 00	"	"
M. Fetzer	5 Hope	45	1 00	"	Shed.
Anna Gormley	182 Root	100	1 00	"	Kitchen.
M. J. Davy	231 Liberty	45	1 00	"	Porch.
Geo. Steidley	25 Myrtle	150	1 00	"	Kitchen.
Jos. Steger	25 Grace	20	1 00	"	"
Jno. Gideon	29 Hague	400	1 00	"	Rooms.
J. C. Thompson	89 Train	75	1 00	"	"
Jno. Miller	289 Harbor	65	1 00	"	Kitchen.
Phil. Loehr	950 Lorain	100	1 00	"	Barn.
Katrina Fleck	167 Higgins	400	1 00	"	Rooms.
Mrs. Potts	171 Root	170	1 00	"	Kitchen.
Andrew Hauck	163 "	60	1 00	"	"
Chas. Hurshler	22 Guernsey	50	1 00	"	Shop.
Geo. Luttner	886 Lorain	285	1 00	"	Kitchen.
Ernst Kline	339 Taylor	150	1 00	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Geo. Hartnell	Higgins, nr. Conrad	$ 275	$ 1 00	Frame.	Room.
Jos. Kalderback	19 Buckley	645	1 00	"	Room.
Amanda Boldt	17 Curve	70	1 00	"	Kitchen.
J. G. Welker	222 Liberty	250	1 00	"	Rooms.
Fred. Herminger	45 Myrtle	175	1 00	"	Kitchen.
Louisa Wolf	153 Alum	25	1 00	"	Shed.
M'g't Kaighin	R. Gordon, nr. Schott	500	1 00	"	Rooms.
Chas. Rettberg	24 Conrad	50	1 00	"	Roof.
H. Staenker	29 Burton	50	1 00	"	Room.
H. G. Kaufman	252 Birch	200	1 00	"	Kitchen.
Fred. Doerr	1678 Lorain	245	1 00	"	Store.
H. L. Boesger	26 Orchard	150	1 00	"	Room.
Peter Brennan	17 Prague	75	1 00	"	Kitchen.
Chas. Harnung	56 Conrad	300	1 00	"	Bakery.
W. C. Jones	1696 Lorain	150	1 00	"	Shop.
Anna Rossenberger	5 Prague	35	1 00	"	Room.
Matt. Deitrich	13 Cook	300	1 00	"	Parlor.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Conrad Bitzer	6 Prague	$ 35	$ 1 00	Frame.	Roof.
	Ward 37.				
Mrs. Margaret Stone	Herschell, nr. Scothan	1,000	3 00	Brick.	Dwelling.
Henry Schmidt	Jefferson, cor. O'Connor	500	2 10	Frame.	"
Morris O'Connor	R. 17 University	1,000	2 25	"	"
Michael McEnneny	W. S. Thurman, nr. Jefferson	500	1 50	"	"
L. A. Bard	97 Merchant	100	1 15	"	Office.
Henry Lehman	Abbey, nr. Davidson	500	2 50	"	Shop.
Chas. Schentzon	59 Willey	1,975	3 85	"	Dwelling.
Jno. Meel	R. 192 Starkweather	85	1 35	"	Barn.
Christina Greber	1 Allmon Court	700	2 20	"	Dwelling.
Peter Lorenzen	Jefferson, cor. Emmet	900	3 40	"	"
Skeel Bros	410 Central Way	250	2 40	"	Shed.
Michael McEnneny	S. L. 59 University	720	1 75	"	Dwelling.
John Boldt	37 Fremont	950	2 25	"	D. "
Andrew Bolz	Allmon Ct., nr. Starkweather	550	1 80	"	Dwelling.
Geo. Parker	73 Professor	1,100	2 15	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Hiram Aiken	L. 2 Jennings	$ 2,500	$ 2 45	Frame.	Dwelling.
"	L. 1 "	2,500	2 45	"	"
C. Mattmueller	Allmon Ct., nr. Starkweather	550	2 05	"	"
E. Henzen	University, nr. South	47	1 35	"	Barn.
Taylor Emerson	45-47 Howard	2,650	3 80	"	D. Dwelling.
Aug. Gabriel	R. 28 Emmet	500	1 75	"	Dwelling.
Grist Oldock	193 University	525	2 05	"	"
Christ. Duering	R. Starkweather, nr. Jennings	675	2 15	"	"
Jos. Hyle	Alfred, nr. Howard	275	1 70	"	"
Fred. Schuerman	L. 20 Jennings	5,000	5 55	"	"
Jacob Wolf	384 Jefferson	750	2 00	"	"
Margaretta Stone	Central Way, nr. Jefferson	1,000	3 85	"	Shop and Tenement.
Kate Baker	Allman Ct., nr. Starkweather	500	1 75	"	Dwelling.
F. H. Warnike	134 Jennings	450	1 80	"	"
Carrie Nicolai	Jennings, nr. Howard	2,200	3 55	"	"
J. Fuhrman	Thurman, nr. Jefferson	700	2 05	"	"
Fred'k Triphahn	100 Starkweather	1,325	2 55	"	"
A. Schierman	Berlin Ct., nr. Auburn	625	1 75	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Mary Balz	Jefferson, cor. Pelton	$ 1,200	$ 3 15	Frame.	Store and Tenement.
Wm. Barhoff	" cor. Thurman	1,040	2 10	"	Dwelling.
Mike Torno	65 Clarence Lane	300	1 50	"	"
Jno. Doyle	Cologne, cor. Lamoil	300	1 45	"	"
Fred. Wohlfreid	Berlin, nr. Auburn	500	1 75	"	"
J. F. Pennrich	313 Starkweather	400	2 20	"	Barn.
L. A. Moore	R. 127 University	600	1 75	"	Dwelling.
Mrs. H. Lehman	Scranton, nr. Starkweather	1,200	2 90	"	"
"	" "	1,200	2 90	"	"
Edw'd Allman	Starkweather, nr. Allman Ct	1,200	2 50	"	"
Henry Randt	College, nr. University	1,200	2 40	"	"
Peter Spies	L. 575 Literary	880	2 10	"	"
F. Repschlager	112 University	1,450	3 00	"	"
F. E. Wilhelmy	73 Professor	1,300	3 20	"	"
Fred Hempey & Co	Jefferson, nr. Central Way	500	6 45	"	Vault.
J. G. Jennings	Willey, nr. Jennings	3,000	4 15	"	Dwelling.
"	" "	3,000	4 15	"	"
"	" "	3,000	4 15	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
A. Zimmerman	S. L. 60 Severn	$ 250	$ 1 25	Frame.	Dwelling.
H. Leuthier	Severn, nr. University	290	1 30	"	"
Mrs. Bellert	Brayton, nr. Fruit	1,500	2 50	"	"
M. J. Colba	72 Lederer	400	1 55	"	"
Jno. Schroeder	R. 86 Merchant	250	1 75	"	Barn.
Henry Miller	105 Professor	182	1 50	"	"
Lawrence Rains & H	University, cor. Severn	1,000	8 40	"	Factory.
Hiram Aikin	85 Jennings	4,600	5 80	"	Dwelling.
	ADDITIONS AND ALTERATIONS.				
The Roberts Mfg. Co	Upper Central Way	120	1 00	Frame.	Shop.
A. Mader	Emmet, nr. Jefferson	200	1 00	"	Room.
F. Samuel	127 Pelton	15	1 00	"	Kitchen.
Dan'l Muller	109 Herschel	225	1 00	"	"
Jno. Diver	36 Professor	198	1 05	"	"
A. Kohring	84 Starkweather	70	1 00	"	Room.
Jno. Foreman	225 "	50	1 00	"	Kitchen.
Leonard Bolz	306 "	50	1 00	"	"
Fred Haske	9 Marquardt	175	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Aug. Steuby	70 Professor	$ 70	$ 1 00	Frame.	Rooms.
Aug. Tatzkie	8 Marquardt	140	1 00	"	Kitchen.
Chas. Reikowosky	17 McKinstry	200	1 00	"	"
Jno. Sullivan	97 University	100	1 00	Stone.	Foundation.
Aug. Link	16 Swan	100	1 00	Frame.	Kitchen.
A. G. Mason	93 Literary	1,657	3 00	"	Shop and Tenement.
Mrs. Krueger	116 Professor	75	1 00	"	Kitchen.
E. Arnst	11 Pelton	130	1 00	"	"
F. Strauss	128 Professor	625	1 00	"	Rooms.
Elias Heinker	107 "	60	1 00	"	Kitchen.
Fred Fry	121 Pelton	55	1 00	"	Shed.
F. Klephorn	102 Starkweather	25	1 00	"	"
Jacob Hinz	294 "	75	1 00	"	Kitchen.
M. Franz	Little, nr. Starkweather	200	1 00	"	"
C. Toalka	39 Berlin	450	1 00	"	Rooms.
M. E. Church	Jennings, nr. Starkweather	175	1 00	"	"
Thos. Murphy	82 University	175	1 00	"	Porch.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Henry Daring	198 Starkweather	$ 75	$ 1 00	Stone.	Cellar.
G. Barding	25 Alford	150	1 00	Frame.	Kitchen.
M. L. Stark	9 Pelton	75	1 00	"	"
J. Kenneran	Jefferson, nr. Central Way	20	1 00	"	Shed.
Fred Buehl	104 Literary	100	1 00	"	Kitchen.
Jno. Scheede	63 Brayton	75	1 00	"	"
F. H. Peters	110 Professor	175	1 00	"	Cupola.
Star Turn Soc'y	83 Willey	1,800	3 00	"	Turn Hall.
J. A. Loew	22 Jennings	30	1 00	"	Shed.
Mr. O'Neill	Starkweather, nr. Jennings	125	1 00	"	Kitchen.
Miss M. S. Wright	23 Jennings	2,000	5 00	"	Rooms.
Frank Zodrow	9 Thurman	50	1 00	"	Kitchen.
Christ Hoffman	11 Brayton	30	1 00	"	"
Wm. Schneider	108 Starkweather	300	1 00	"	Rooms.
Louis Drefahl	87 Brayton	500	1 00	"	"
Peck, Stow & Wilcox Co.	Central Way, nr. Cuyahoga	1,350	3 00	Brick.	Boiler House.
Henry T. Mason	91 Literary	100	1 00	Frame.	Room.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
A. Kennedy	10 Josephine	$ 50	$ 1 00	Frame.	Kitchen.
Fred Kundtz	192 Emmet	200	1 00	"	"
Geo. Marshall	Pelton, nr. Cliff	900	1 00	"	D. "
Mary Rainor	183 Starkweather	200	1 00	"	Kitchen.
Leo Lucht	47 Emmet	150	1 00	"	"
J. W. Thomas	904 & 906 Pearl	500	1 00	"	Store Room.
Margaretta Stone	S. L. 596 Literary	445	1 00	"	Rooms.
Jno. Repetzky	12 Swan	125	1 00	"	Kitchen.
Wilhelma Tucker	11 Emmerson	100	1 00	"	"
Jno. Silberling	318 Starkweather	25	1 00	Brick.	Chimney.
Jno. Meel	Allmon Ct., nr. Jennings	50	1 00	Frame.	Room.
A. P. Simons	Professor, nr. Jefferson	200	1 00	"	Kitchen.
Mary E. Sowden	686 Scranton	800	1 00	"	D. Dwelling.
The Lamson & Sessions Co.	Scranton, nr. Walworth R.	5,000	11 00	"	Factory.
	Ward 38.				
Ann Playford	Ackley Ct., nr. Clover	2,400	3 25	Brick.	3 Tenements.
German Pub. House	Pearl, cor. Warden	22,000	18 15	"	Printing House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Wandt	Dower, nr. Scranton	$ 950	$ 2 35	Frame.	Dwelling.
F. W. Wheeler	15 Branch	200	1 90	"	Barn.
Chas. Han	34 Merchant	600	2 05	"	Dwelling.
Henry Moeller	Meyer, cor. Scranton	1,625	4 45	"	Dwelling and Barn.
Fredk. Ponzer	Ackley Ct., nr. Meyer	550	1 95	"	Dwelling.
Gustav Buesch	Pearl, nr. Vega	3,000	7 45	"	Dwelling and Barn.
Henry Albers	27 Abram	600	2 75	"	Dwelling.
C. Mehrenger	Abram, nr. Clark	780	2 30	"	"
E. G. Powell	52 Kinkel	1,250	2 50	"	"
Phil. E. Wetzel	Pearl, nr. Vega	1,020	4 05	"	Store and Tenement.
T. Scott	R. 67 Branch	190	1 40	"	Barn.
Jos. Naftil	290 Jennings	4,000	3 30	"	Dwelling.
J. C. Rice	28 Seymour	800	2 55	"	D. Dwelling.
A. J. Loew	490 Clark	1,750	2 70	"	Dwelling.
D. N. Sherwood	785 Scranton	2,000	4 30	"	"
Peter Lazius	42 Wade	400	1 40	"	"
Henrich Koelliker	204 Noyes	1,380	2 65	"	"
Chas. Kerehule	11 Newell	400	1 55	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
H. J. Coe	R. 821 Scranton	$ 500	$ 2 60	Frame.	Barn.
W. Schimmelpheney	Clover, nr. Jennings	1,900	4 10	"	Dwelling.
J. C. Segrist	R. 651 Castle	150	1 85	"	Barn.
German Pub. House	Pearl, cor. Warden	1,450	2 75	"	Dwelling.
F. Kriews	R. 34 Buhrer	125	1 40	"	Barn.
Aug. Schimmelpheney	L. 15 Brainard	1,600	3 05	"	Dwelling.
Aug. Gilke	Merchant, nr. Branch	1,200	2 80	"	"
Jno. Lewitzka	Grove Lane, nr. Buhrer	700	1 85	"	"
Carl Mau	R. 27 Buhrer	100	1 35	"	"
Mr. Kandel	S. L. 42 Clark	2,000	3 20	"	"
Ella Kubach	94 Holmden	600	1 55	"	"
Mrs. Wills	S. L. 124 Clark	1,500	2 80	"	"
Danl. Loew	71 Vega	45	1 20	"	Barn.
Jno. Herr	Scranton, nr. Vega	1,600	2 65	"	Dwelling.
J. M. Mallard	S. S. Clark, nr. Scranton	1,200	2 50	"	"
W. C. Suhr	Brainard, nr. Jennings	2,000	3 45	"	"
—— Hamm	148 Auburn	500	1 80	"	"
J. A. Moffett	887 Scranton	5,000	6 75	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Henry Senne	494 Clark	$ 900	$ 2 50	Frame.	Dwelling.
Chas. Koch	R. 136 Brainard	30	1 20	"	Barn.
J. S. Hartzell	Jennings, cor. Mentor	9,000	9 30	"	Dwelling.
Wm. Strempel	R. 73 Clover	150	1 40	"	Barn.
A. Webber	R. 1446 Pearl	100	1 25	"	"
Jno. Ember	Brainard, nr. Jennings	975	2 35	"	Dwelling.
M. Markwardt	36 Rowley	1,000	2 80	"	"
Fred Geiger	Scranton, nr. Auburn	1,600	3 05	"	"
Chas. Kuehle	42 Branch	1,600	3 00	"	"
R. T. Coleman	Jennings, cor. Clark	6,000	4 50	"	"
Jacob Schaefer	44 Auburn	200	1 45	"	"
J. S. Evans	50 Walton	600	1 85	"	"
R. T. Coleman	Jennings, cor. Clark	935	2 60	"	Barn.
Jno. Meel	Alley, nr. Jennings	300	1 70	"	Dwelling.
Martin Fosch	52 Noyes	75	1 25	"	Barn.
Fred Witt	Newell, nr. Branch	1,420	3 00	"	Dwelling.
H. G. Taylor	1332 Pearl	835	2 25	"	"
Chas. Beth	16 Clover	600	1 90	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Felix Nicola	Holmden Extension	$ 450	$ 1 95	Frame.	Dwelling.
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
"	"	450	1 95	"	"
Jacob Stobe	Newell, nr. Mentor	550	1 50	"	"
Jacob Semon	Buhrer, nr. Grove Lane	980	3 30	"	"
Geo. Faulhaber	Jennings, nr. Castle	9,000	6 60	"	Dwelling and Barn.
W. J. Parker	L. 102 Brainard	1,200	2 95	"	Dwelling.
Wm. Leibing	Castle, nr. Jennings	1,500	3 05	"	"
C. Mader	24 Seymour	600	1 75	"	"
Jno. Vedofski	R. 128 Rowley	450	1 80	"	"
C. B. Humiston	Seymour, nr. Scranton	5,500	6 40	"	6 Dwellings.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
E. Meunier	1442 Pearl	$ 3,000	$ 6 40	Frame.	Dw'g, Store and Tmt.
Christ Henger	Scranton, nr. Auburn	330	2 05	"	Shop.
J. J. Crooks	Jennings, nr. Buhrer	3,500	4 25	"	Dwelling.
Karl Bluhm	R. 22 Abram	150	1 30	"	Barn.
Albert Behlke	S. S. Clover, nr. Scranton	1,000	2 40	"	Dwelling.
M. Seadoovski	R. 130 Rowley	600	2 05	"	"
Robt. Lade	East View, nr. Brainard	500	1 75	"	"
	ADDITIONS AND ALTERATIONS.				
Fred. Dinse	33 Buhrer	120	1 00	Frame.	Grocery.
C. Cherbach	60 "	200	1 00	"	Rooms.
Jno. Richert	28 "	400	1 00	"	"
Mrs. M. Becker	12 Branch	600	1 00	"	"
Jno. Karp	164 Newell	30	1 00	"	Kitchen.
Karl Anders	59 Holmden	450	1 00	"	Rooms.
Henry Ditton	866 Scranton	525	1 00	"	Store.
M. Untuzuber	667 Castle	30	1 00	"	Shop.
P. J. Dunn	62 Branch	550	1 00	"	Kitchen, etc.
Chas. Glittzenstein	57 Mary	335	1 00	"	Rooms.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Otto Pardapard	Noyes, nr. Rowley	$ 200	$ 1 00	Frame.	Rooms.
Jacob Sell	74 Vega	25	1 00	"	Shed.
Sarah Branch	30 Abrams	150	1 00	"	Alterations.
Chas. Berg	22 Prame	35	1 00	"	Kitchen.
Mrs. J. Herman	1042 Pearl	700	1 00	"	Rooms.
J. D. Slater	Starkweather, nr. Scranton	20	1 00	"	Barn.
Henry Hauth	71 Holmden	445	1 00	"	Rooms.
T. W. Brown	39 Mentor	50	1 00	"	Pantry.
Geo. French	31 Vega	250	1 00	"	Kitchen, etc.
W. Genrich	Scranton, cor. Kinkel	900	1 00	"	Barn.
Casper Heperling	10 Noyes	100	1 00	Brick.	Cellar.
Chas. Mehringer	472 Clark	50	1 00	"	"
A. C. O. Smith	169 Jennings	75	1 00	Frame.	Porch.
Jno. H. Lindhorst	477 Clark	1,500	3 00	Brick.	Rooms.
J. Klein	2 Mace	210	1 00	Frame.	Kitchen.
Henry L. Hess	647 Castle	150	1 00	"	"
Wm. Skeel	Abram, nr. Castle	20	1 00	Brick.	Cellar.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
C. Prysmyer	Rowley, cor. Newell	$ 100	$ 1 00	Stone.	Foundation.
H. Knapp	384 Clark	20	1 00	Frame.	Porch.
Chas. Ahrens	19 Ditton	175	1 00	"	Rooms.
M. Gawenski	16 "	200	1 00	"	"
Conrad Mader	24 Seymour	25	1 00	"	Kitchen.
Wm. Brassell	118 Noyes	100	1 00	"	Shed.
Jacob Tusch	144 Auburn	100	1 00	"	Kitchen.
Rourke M'fg Co	9 Joseph	1,300	3 00	"	Factory.
Ernst Koenig	Merchant, nr. Auburn	150	1 00	"	Kitchen.
Jas. Bennett	37 Vega	500	1 00	"	"
Dan'l Oswald	58 Barber	500	1 00	"	Rooms.
H. G. Seatmyer	187 Holmden	200	1 00	"	Porches.
Mary Kye	240 Branch	100	1 00	"	Kitchen.
M. Chadbourne	1170 Pearl	200	1 00	"	Store.
A. G. Wedig	38 Auburn	250	1 00	"	Rooms.
Wm. Friesel	184 Buhrer	200	1 00	"	"
Elizabeth Sherman	201 "	800	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Chas. Bergman	213 Abram	$ 25	$ 1 00	Frame.	Shed.
Ann Playford	Ackley Ct., nr. Sackett A	800	1 00	Brick.	Rooms.
Wm. Brown	81 Milton	40	1 00	Frame.	Barn.
	Ward 39.				
Beckman Senior	25, 29 Pleasant	16,600	46 70	Brick.	Factory.
F. Muhlhauser & Co	Pleasant, nr. Clark	12,500	37 80	"	"
J. W. Lindhorst	Pearl, nr. Walton	6,000	14 60	"	Store and Tenement.
Isaac Leisy	Vega, nr. Rhodes	25,000	15 35	"	Dwelling.
"	" Hitchcock	2,500	3 95	"	Green House.
Jno. Newbaur	46 Newark	600	2 30	Frame.	Dwelling.
Jno. Prabenec	213 Brooklyn	500	1 90	"	"
J. A. Pintner	L. 67 Sackett	200	1 35	"	"
Jos. Blizel	L. 43 Robert	250	1 95	"	"
Cath. Blatt	Blatt Pc., nr. Pearl	1,000	2 20	"	"
L. Englehart	Seymour, nr. Mill	825	2 45	"	"
"	" "	825	2 45	"	"
Jno. Stanek	94 Brooklyn	25	1 10	"	Shed.
Frank Fehdik	160 Sackett	450	1 80	"	Dwelling.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Tosek	Sackett, nr. Rhodes	$ 260	$ 1 45	Frame.	Dwelling.
Frank Klamert	35 Pleasant	375	1 55	"	"
Fr. Zaralimik	Brooklyn, nr. Storer	250	1 55	"	"
Frank Husak	S. L. 45 Louis	250	1 45	"	"
Carl Dreyer	S. L. 27 Brooklyn	150	1 45	"	"
Jno. Meyer	Pearl, nr. Holmden	2,000	5 20	"	"
J. W. Leopold	726 Clark	1,500	4 35	"	"
Wm. Abrecht	121 Louis	610	1 95	"	"
Henry Prante	119 Sackett	600	1 85	"	"
Joe Baranek	260 Louis	500	1 80	"	"
"	262 "	500	1 80	"	"
E. Hickey	Erin, nr. Pollock	75	1 25	"	Barn.
Mary Weddell	Clark, cor. Rhodes	1,600	4 00	"	Dwelling.
B. Waldo	Niles, cor. Brooklyn	500	1 65	"	"
Carl Vandrow	R. 39 Wade	540	1 70	"	"
Mrs. Antesberger	Walton, nr. Rhodes	350	3 15	"	Dance House.
Hynek Vik	42 Walton	550	1 95	"	Dwelling.
Jno. Hulez	L. 71 Sackett	1,200	3 40	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
J. M. Blatt	1243 Pearl	$ 950	$ 1 80	Frame.	Dwelling.
Chas. Bilz	Rhodes, cor. Erin	1,300	3 10	"	"
Jno. Summerfield	116 Erin	600	1 90	"	"
Jno. Nickel	R. 174 Walton	250	1 60	"	"
Jos. Berbrig	Brighton, nr. Sackett	1,200	2 75	"	Dwelling and Barn.
E. H. Thies	75 Erin	600	2 15	"	Dwelling.
Geo. Turner	798 Clark	1,100	2 45	"	"
Jacob Kowalski	L. 389 Walton	600	2 20	"	"
Cooney Hemmetter	Brooklyn, nr. Clark	500	1 75	"	"
Albert Kowatcki	S. L. 231 Burton	1,400	2 25	"	"
Fred Becher	112 Barber	850	2 00	"	"
A. Haneke	218 Walton	500	1 80	"	"
Jno. Durian	L. 96 Rhodes	1,500	2 50	"	"
F. & B. Thiele	S. L. 10 Brighton	700	2 15	"	"
Wm. Schenk	12 Pollock	400	2 10	"	"
Fred Josting	Sackett, nr. Rhodes	500	2 10	"	"
P. H. Ficken	Clark, cor. Rhodes	300	1 55	"	Store.
K. & F. Koenig	R. S. L. 9 Louis	100	1 50	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Noss	Walton, nr. Rhodes	$ 400	$ 1 70	Frame.	Dwelling.
Aug. Theurer	Seymour, cor. Mills	2,500	5 00	"	"
J. Stopenbacher	Carlisle, nr. Burton	700	1 95	"	"
Wm. H. Kees	Vega, nr. Pearl	3,500	5 60	"	"
Kath Blatt	9 Blatt Pc.	750	1 90	"	"
Martin Landig	Sackett, nr. Rhodes	400	1 55	"	Dwelling.
Phil. Boppel	1135 Pearl	150	1 40	"	Shop.
Henry Heine	Pearl, nr. Clark	800	1 85	"	Dwelling.
Jas. Prokes	130 Sackett	500	1 90	"	"
J. Fuehrmann	L. 378 Walton	750	1 80	"	"
Jos. Meshik	L. 3 Rhodes	440	1 55	"	"
Conrad Wendel	153 Wade	15	1 15	"	Shed.
P. Schroeder	Newark, nr. Rhodes	475	1 55	"	Dwelling.
Jos. Tafleik	199 Brooklyn	125	1 20	"	Barn.
H. J. Sommers	Pollock, nr. Clark	450	1 55	"	Dwelling.
Jacob Schadouski	224 Brooklyn	500	2 00	"	"
Avi Wecht	L. 10 Blatt Pc.	1,200	2 55	"	"
Frank Naugle	Meyer, nr. Brighton	600	1 85	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
F. Kassner	40 Robert	$ 260	$ 1 50	Frame.	Dwelling.
J. Powetskie	Sackett, nr. Rhodes	400	1 55	"	"
Frank Slavik	Meyer, nr. Rhodes	200	1 50	"	"
"	" " "	200	1 50	"	"
Geo. Vonderan	88 Barber	450	1 45	"	"
Jno. Cocktoo	24 Newark	35	1 10	"	Shed.
Gottleib Blum	Edson Ct., nr. Queen	125	2 45	"	Shop.
Jos. Sip	Rhodes, nr. Sackett	400	1 65	"	Dwelling.
Ferd. Bartel	297 Seymour	450	2 00	"	"
Geo. Schoorm	97 Erin	470	1 55	"	"
Chas. Buchhols	R. 17 Pollock	350	1 20	"	Barn.
Jno. Uhr	L. 29 Hyde	200	1 55	"	Dwelling.
Christ Kaleke	L. 5 Rhodes	425	1 80	"	Dwelling and Barn.
Jno. Theurer	R. 110 Rhodes	750	2 40	"	Ice House.
Wm. Trask	1428 Pearl	1,000	2 45	"	Dwelling.
Gottleib Waltz	Wade, nr. Rhodes	250	1 75	"	Barn.
Jno. Schultz	L. 34 Rhodes	800	2 10	"	Dwelling.
Fred. Kruse	Erin, nr. Mill	360	1 60	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Fred. Kruze	Erin, nr. Mill	$ 360	$ 1 60	Frame.	Dwelling.
Paul Schulz	186 Seymour	700	2 50	"	"
Anton Hodapp	W. S. Gustav Ct	1,200	2 60	"	"
Venzl Matejka	Brooklyn, nr. Sackett	300	1 55	"	"
Barbara Wichmand	W. S. Gustav, nr. Pearl	375	1 45	"	"
Mat. Fousek	L. 17 Brighton	800	2 60	"	"
McArthur-Gillmore F. Co.	875 Pearl	400	5 20	"	Foundry.
Leo Meyer	W. S. Pearl, nr. Sackett	2,000	4 00	"	Dwelling and Barn.
Anna Baeder	553 Scranton	1,258	3 05	"	D. Dwelling.
	ADDITIONS AND ALTERATIONS.				
Joe Plakj	216 Brooklyn	80	1 00	Frame.	Rooms.
Brooklyn R. R. Co	1301 Pearl	265	1 00	"	Office.
Jno. Zelenka	Birne, nr. Rhodes	200	1 00	"	Rooms.
Frank Slivka	Brooklyn, cor. Sackett	450	1 00	"	"
Wm. Theobald	Pearl, cor. Barbara	150	1 00	"	Barn.
Aug. Newman	9 Andrews	150	1 00	"	Kitchen.
Frank Rericha	118 Pleasant	120	1 00	"	"
Walworth Run Foundry Co	883 Empress	300	1 00	"	Shop.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jno. Juskie	R. 363 Vega	$ 220	$ 1 00	Frame.	Rooms.
A. Koehler	183 Rhodes	400	1 00	"	"
Louise Benhoff	947 Empress	200	1 00	"	"
Andrew Eitelman	993 & 995 Pearl	800	1 00	"	Store.
A. Schelke	886 Empress	200	1 00	"	Shed.
Paul Krusbinski	945 "	150	1 00	"	Rooms.
N. Newman	Clark, nr Brooklyn	30	1 00	"	Shed.
Albert Fisher	214 Burton	250	1 00	"	Rooms.
Aug. Kert	849 Clark	250	1 00	"	"
J. W. Fassett	184 Wade	300	1 00	"	"
Theo. Hathaway	49 Brooklyn	500	1 00	"	"
Alfred Bartley	891 Pearl	30	1 50	"	"
D. O. Neill	88 Wade	75	1 00	"	Porch.
C. Kenzer	821 Clark	50	1 00	"	Rooms.
J. Carlwoski	3 Stover	350	1 00	"	"
S. Hagle	149½ Seymour	75	1 00	"	"
J. Erdmann	132 Erin	115	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
H. N. Stecher	648 Clark	$ 350	$ 1 00	Frame.	Rooms.
McArthur & Gillmore Fdy.	975 Pearl	200	1 00	"	Mould House.
J. T. Grob	170 Walton	700	1 00	"	Rooms.
Fred Wilkie	Edson Ct., nr. Barber	150	1 00	"	"
Mrs. Rosemann	37 Queen	150	1 00	"	"
Jno. Zahkman	105 Brooklyn	200	1 00	"	"
Christ Toll	125 Louis	200	1 00	"	"
Mrs. Mullhauser	175 Vega	300	1 00	"	"
V. Hamel	699 Clark	50	1 00	"	"
Stephen Wasmer	62 Erin	160	1 00	"	"
C. Kuenzer	176 Wade	100	1 00	"	"
Alfred Bartley	891 Pearl	40	1 00	"	"
J. Pread	923 Empress	200	1 00	"	"
Henry Aring	144 Wade	130	1 00	"	"
Christ Toll	125 Louis	150	1 00	"	"
Wm. Theobald	979 Pearl	1,200	3 00	"	"
Wm. Krebs	1265 "	2,000	5 00	"	Store and Tenement.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Brooklyn St. R. R. Co.	1300 Pearl	$ 1,000	$ 3 00	Frame.	Barn.
German Reformed Church	40 Louis	25	1 00	"	Shed.
Catherine James	98 Wade	25	1 00	"	"
Richard Ahrens	174 Vega	10	1 00	"	"
Wm. Spoerke	210 "	125	1 00	"	Room.
Fred Kulow	674 Clark	400	1 00	"	Store.
M. Freeman	73 Brooklyn	600	1 00	"	"
Jno. Schroeder	60 Mentor	900	1 00	"	Rooms.
Barbara Wichman	141 Wade	150	1 00	"	Foundation.
Mrs. Weichman	Wade, nr. Rhodes	90	1 00	"	"
Mary Nolan	12 Newark	300	1 00	"	Rooms.
Albert Chabeck	62 Pleasant	150	1 00	"	"
Aug. Tais	19 Pollock	50	1 00	"	"
Chas. Bedman	78 Barber	100	1 00	"	Oven.
Katie Kolar	9 Pleasant	150	1 00	"	Rooms.
Isaac Leisy	Vega, nr. Hitchcock	5,000	11 00	Stone.	Cellar.
Jno. Beck	Walworth, nr. Mill	100	1 00	Frame.	Ice House.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Christ Saupe	145 Walton	$ 700	$ 1 00	Frame.	Rooms.
Fred Potting	248 "	500	1 00	"	"
Joe Kehrer	160 Wade	40	1 00	"	Kitchen.
Aug. Moonthey	109 Barber	200	1 00	"	Room.
	Ward 40.				
F. Barto	41 Burton	700	2 65	Frame.	Dwelling.
Elizabeth Brjska	L. 97 Hartford	400	1 85	"	"
Rutenback Bros.	67 Selden	100	1 35	"	Barn.
Jacob Pitzler	87 Gilbert	300	1 75	"	Dwelling.
Martin Law	Merrill, nr. Gilbert	400	1 65	"	"
J. M. Hoyt	L. 81 Leyden	500	2 00	"	"
Louis J. Groff	S. L. 13 Clark	1,200	2 50	"	"
Louis Rauch	L. 86 Prim	750	2 25	"	"
"	L. 87 "	750	2 25	"	"
Aug. Voigt	L. 47 Alum	575	1 85	"	"
Fr. Kocian	1144 Clark	425	2 10	"	"
Geo. Howlett	235 Burton	50	1 25	"	Shed.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. Kozdera	99 Isabella	$ 400	$ 1 80	Frame.	Shop.
W. Gough	R. 975 Clark	100	1 25	"	Dwelling.
Clamor Lange	Selden, nr. Newark	750	2 60	"	"
J. M. Holecek	37 Hartford	800	2 25	"	"
Jno. Schregle	8 Leyden	100	1 50	"	Barn.
Jno. Felipen	54 Neville	350	1 65	"	Dwelling.
Jas. M. Hoyt	L. 133 Leyden	750	2 20	"	"
"	L. 82 "	750	2 20	"	"
Jno. Zimmer	26 Elk	700	2 40	"	"
Jno. Freedle	125 Hartford	300	1 50	"	"
A. Gerlach	L. 19 Gauge	800	2 20	"	"
Caspar Sorkar	181 Hartford	300	3 00	"	"
Thos. Kovar	30 "	600	2 35	"	"
Jacob Bauman	L. 143 Roberts	650	2 15	"	Dwelling and barn.
Mrs. Yonker	93 Gilbert	50	1 45	"	Dwelling.
Eliza Plecher	Dennison, nr. Lorain	700	2 55	"	"
Frank Solskie	O'Shay Ct., nr. Hover	325	1 75	"	"
Jos. Kokta	L. 172 Selden	400	1 55	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jas. M. Hoyt	Lindsey, nr. Clark	$ 750	$ 2 00	Frame.	Dwelling.
"	Leyden, "	700	2 00	"	"
Aug. Ross	Alum, nr. Frontier	350	1 50	"	"
Robt. Simpson	94 Train	1,250	2 90	"	"
Jas. Jordan	Dennison, nr. Lorain	1,500	2 15	"	"
Jos. Spahn	10 Hamburg	350	1 45	"	"
Jas. Holmes	S. L. 107 Raynor	250	1 50	"	"
Jno. Weibel	113 Isabella	600	1 70	"	"
M. Darmstadt	R. 311 Burton	380	1 60	"	"
Frank Kreibick	L. 176 Selden	300	1 50	"	"
Albert Wood	Train, nr. Hamburg	1,000	2 90	"	"
M. Kortan	Carlisle, nr. Burton	300	1 50	"	"
Otto Fix	Gauge, nr. Clark	300	1 50	"	"
Geo. Lefler	Selden, nr. Hyde	500	1 75	"	"
Fred Dauber	7 Lenox	700	2 35	"	"
Geo. Katt	39 Selden	250	1 70	"	"
Henry Rand	L. 155 Selden	400	2 05	"	"
T. R. C. Evans	L. 152 Ridge	1,000	2 30	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. W. Bowman	L. 153 Ridge	$ 1,000	$ 2 30	Frame.	Dwelling.
Jas. H. Thorne	L. 43 Gilbert	250	1 60	"	"
F. K. Schaad	S. L. 99 Grace	125	1 25	"	"
Anton Lichtenberg	Frontier, nr. Gilbert	200	1 55	"	"
Katrina Knoebel	S. L. 14 Clark	900	2 55	"	Store and tenement.
Albert Jenney	L. 11 Halle	250	1 45	"	Dwelling.
J. M. Hoyt	Leyden, nr. Clark	700	1 80	"	"
"	" "	700	1 80	"	"
Cath. Schultz	Leyden, nr. Clark	500	1 65	"	"
W. H. Noderer	Dennison, nr. Ridge	900	2 60	"	"
Christ Cong. Church	Selden, cor. Robert	3,800	8 65	"	"
Jos. Beil	Clark, nr. Lindsey	1,000	2 20	"	Store and tenement.
F. W. Pelton	Dennison, nr. Lorain	300	2 85	"	Barn.
F. W. Besch	296 Alum	575	1 80	"	Dwelling.
Geo. Berghausen	S. L. 151 Milford	160	1 35	"	"
Jno. Peram	O'Shay Ct., nr. Burton	200	1 55	"	"
V. Krupka	Robert, nr. Milford	1,350	2 75	"	"
Jacob Beachler	Clark, nr. Fountain	1,800	2 25	"	Dwelling and Shop.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Dacek	Hyde, nr. Burton	$ 500	$ 2 00	Frame.	Dwelling.
Frank Klement	Hartford, nr. Storer	500	1 50	"	"
Jno. Zolak	103 Milford	500	1 95	"	"
Jno. Freidlich	Niesen, nr. Milford	550	1 95	"	"
Geo. Marletz	990 Clark	1,100	2 70	"	"
Geo. Lipslow	32 Hartford	400	1 60	"	"
Loren Sommer.	Lorain, nr. Henley	175	1 85	"	Barn.
Jas. Karleckey	Storer Pc., nr. Storer	175	1 35	"	Dwelling.
Carl Riser	7 Poplar.	75	1 40	"	Barn.
Thos. Volk	Lindsey, nr. Camden	500	1 70	"	Dwelling.
Frank Cash	Hartford, nr. Storer	250	1 45	"	"
Jno. Mitchell	141 Swiss	700	2 00	"	"
Joe Smola	Gilbert Pc., nr. Gilbert.	100	1 15	"	"
Anton Kmiessner	L. 429 Isabella	600	1 65	"	"
Arnstina Hahn	L. 31 Lorain	500	1 80	"	"
W. C. Jones	Lindsey, nr. Camden	450	1 35	"	"
J. M. Hoyt	L. 90 Leyden	750	2 20	"	"
"	L. 22 Lindsley	750	2 20	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Paul Shakofsky	1462 Clark	$ 700	$ 2 35	Frame.	Dwelling.
Jno. Nowak	Hyde, nr. Gauge	40	1 15	"	Barn.
Henry Klabunda	Frontier, nr. Gilbert	250	1 30	"	Dwelling.
Frank Abraham	Isabella, nr. Clark	500	1 75	"	"
Hattie Robertson	Clark, nr. Ridge	1,300	2 25	"	"
Jos. Kalec	95 Hartford	105	1 35	"	"
P. Miller	28 Berry	400	1 85	"	"
Mary A. Dewese	Hartford, nr. Storer	700	1 85	"	"
"	" "	700	1 85	"	"
"	" "	700	1 85	"	"
Mr. Henkiss	113 Milford	800	2 00	"	"
A. Shaninka	Gauge, nr. Essex	800	2 45	"	"
Fredk. Morits	R. 32 Fountain	50	1 10	"	Barn.
Jno. Jirava	L. 98 Ionia	350	1 65	"	Dwelling.
Aug. Wengatz	Alum, nr. Clark	380	1 75	"	"
C. F. Henricks	R. 339 Burton	100	1 20	"	Barn.
Fred Whitmar	Henley, nr. Lorain	1,550	3 30	"	Store and Tenement.
M. Cormak	1198 Clark	75	1 20	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Simon Gabel	Selden, nr. Carlisle	$ 500	$ 1 75	Frame.	Dwelling.
M. Gideon	Niesen Ct., nr. Milford	250	1 35	"	"
H. Wagonklecht	24 Milford	900	2 20	"	"
Theresa Gideon	Milford, cor. Storer	350	1 85	"	"
Lena Brunner	76 Selden	900	2 00	"	"
Mike Isdrach	L. 60 Frontier	125	1 30	"	"
Geo. Eppley	125 Gauge	450	1 80	"	"
Jos. Sprotsey	1226 Clark	30	1 20	"	Shed.
Frank Schwind	L. 1 Clark	600	2 05	"	Dwelling.
W. C. Jones	L. 55 Lindsey	750	1 90	"	"
Geo. L. Case	Camden, nr. Ridge	425	1 45	"	"
Fred Faela	42 Poplar	800	1 95	"	"
Jno. Kane	L. 60 Lindsley	300	1 45	"	"
S. Ludwig	L. 92 Storer	250	1 50	"	"
Jno. Kozman	L. 7 Niesen	200	1 45	"	"
F. Geisen	R. 37 Berger	30	1 10	"	Shed.
Jos. Hulan	Storer Pc., nr. Storer	150	1 45	"	Dwelling.
Joe Cross	31 Bergen	550	1 50	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Jno. Gideon	Storer, nr. Gilbert	$ 650	$ 1 85	Frame.	Store and tenement.
Mary Schneider	1275 Clark	1,250	3 35	"	"
Jas. Koukal	Storer, nr. Gilbert	200	1 55	"	Dwelling.
Fred. Groene	Hyde, cor. Selden	500	2 15	"	"
Geo. Vaupel	34 Elk	450	1 85	"	"
Jno. Pesta	90 Hartford	300	1 50	"	"
L. N. Sylvester	L. 14 Hamburg	500	1 60	"	"
Chas. Wiedeman	Lorain, cor. Ursula	1,800	4 50	"	Store and tenement.
Anton Karlovec	98 Ionia	130	1 15	"	Barn.
Vaclav Brejeska	L. 17 Hamburg	200	1 25	"	Dwelling.
Chas. C. Fritz	Clark, cor. Prim	300	2 20	"	Warehouse.
Jno. Flandella	86 Poplar	350	1 50	"	Dwelling.
Chas. A. Pennell	Neville, nr. Ridge	700	1 85	"	"
"	" "	700	1 85	"	"
Albert Tukes	Hamburg, nr. Clark	200	1 25	"	"
Wenzl Kocian	Hartford, nr. Bragdon	300	1 65	"	"
Frank Jerovec	R. 74 Isabella	250	1 30	"	"
A. Krusa	R. 109 Gauge	150	1 40	"	Barn.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
Frank Tvoboda	Milford, cor. Catherine	$ 300	$ 1 70	Frame.	Dwelling.
Jos. Hozak	Hartford, nr. B. Lane	200	1 20	"	"
Anton V. Kunes	R. 88 Hamburg	350	1 65	"	"
Wm. Lan	268 Alum	450	1 70	"	"
Albert Janda	R. 110 Milford	300	1 30	"	"
	ADDITIONS AND ALTERATIONS.				
Joseph Casper	17 Isabella	300	1 00	Frame.	Store.
Jos. Ridel	5 "	100	1 00	"	"
Frank Vatech	R. 22 Ionia	150	1 00	"	Rooms.
Jos. Vondrank	24 "	150	1 00	"	"
Emil Kora	27 Catherine	100	1 00	"	"
F. Svejda	60 Isabella	300	1 00	"	"
Gawry Ronjek	67 Ionia	80	1 00	"	"
Aug. Stahlhut	3 Ash	15	1 00	"	Shed.
Gustav Bergman	135 Swiss	40	1 00	"	Rooms.
Aug. Tillman	46 Isabella	150	1 00	"	"
Chas. Meyer	111 Gauge	500	1 00	"	"
Fred Dauber	1466 Clark	150	1 00	"	Store.

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Jos. Kundtz	150 Gauge	$ 100	$ 1 00	Frame.	Rooms.
Frank Klimen	130 Milford	110	1 00	"	"
Rosa Wolff	10 Poplar	110	1 00	"	Porch.
Mrs. Borchert	35 Gauge	200	1 00	"	Rooms.
C. Texter	R. 149 Swiss	150	1 00	"	Barn.
Geo. Kuebler	251 Gauge	60	1 00	"	"
Jas. Asmus	134 Swiss	150	1 00	"	"
J. Bejeck	Clark, cor. Ionia	1,500	3 00	"	Stores.
Jno. Svek	4 Isabella	125	1 00	"	Rooms.
Jacob Kunes	133 Hartford	100	1 00	"	"
F. Wanke	9 Frontier	200	1 00	"	"
Jos. Hovezka	Burton, nr. North	250	1 00	"	"
Fred Roegge	70 Gauge	300	1 00	"	"
Jno. Eiben	136 "	100	1 00	"	"
Jno. Lacina	86 Ionia	60	1 00	"	"
Peter Vacha	37 Milford	50	1 00	"	"
Jno. Hlavacek	14 Isabella	250	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Francis Rocha	Catharine, nr. Milford	$ 150	$ 1 00	Frame.	Rooms.
E. P. Klimbohl	285 Alum	200	1 00	"	Store.
Jos. Kosch	1300 Clark	350	1 00	"	Rooms.
Jno. Lustik	Ionia, nr. Clark	200	1 00	"	"
Jno. Stiart	58 Lindsley	40	.....	"	Roof.
Jno. Shingloss	110 Hartford	160	1 00	"	Store.
Jno. Lanka	Gordman Alt	125	1 00	"	Room.
Herman Stult	16 Ash	250	1 00	"	"
F. Giessen	1216 Clark	200	1 00	"	"
M. Fridel	47 Selden	125	1 00	"	"
Jos. Schadelah	5 Gilbert Pc	100	1 00	"	"
G. Yanke	27 Gauge	200	1 00	"	"
Frank Smith	22 Fountain	125	1 00	"	"
A. Eberts	27 Train	350	1 00	"	"
M. Heintz	79 Gauge	20	1 00	"	"
F. Canda	102 Isabella	75	1 00	"	"
Henry Ruger	14 Brainard	10	1 00	"	"

BUILDING PERMITS.—*Continued.*

Name of Owner.	Location of Building.	Cost.	Fees.	Material.	Purpose.
	ADDITIONS AND ALTERATIONS.—*Continued.*				
Geo. Schneider	1275 Clark	$ 25	$ 1 00	Frame.	Room.
Aug. Schlaegel	58 Poplar	242	1 00	"	"
T. P. O'Shay	R. 124 Milford	20	1 00	"	Shed.
Jarrslav Polak	7 Hyde	20	1 00	"	"
G. W. Fritz	L. 1 Clark	75	1 00	"	"
Frank Sprosty	1228 Clark	40	1 00	"	Room.
Jno. Vacha	67 Hartford	50	1 00	"	Kitchen.
Jos. Kockta	L. 172 Bergen	110	1 00	"	Rooms.

RECAPITULATION.

1889. Month.	Amount of Certificates issued to City Clerk for Permits—Brick and Stone Buildings.	Number of Certificates.	Amount of Certificates issued to City Clerk for Permits—Wood and Frame Buildings.	Number of Certificates.	Amount of Certificates issued to City Clerk for Permits—Additions and Alterations.	Number of Certificates.	Amount of Certificates issued to City Clerk to Move Buildings.	Number of Certificates.	Total Certificates.	Total Amount of Certificates issued to City Clerk for all purposes.	Total Cost of all Classes of New Buildings, Additions and Alterations.	Total Expenses, including Salaries, Blank Books, Stationery, Annual Reports, etc.
January	$ 34 55	5	$ 281 00	124	$ 55 00	46	$ 10 00	5	180	$ 383 55	$ 130,038	$ 545 13
February	132 50	6	234 15	80	56 00	39	6 00	3	128	428 65	152,636	417 08
March	160 60	13	695 75	281	266 00	173	20 00	10	477	1,142 35	485,038	427 43
April	217 70	10	594 25	229	236 00	198	18 00	9	446	1,065 95	521,012	490 73
May	116 60	10	610 70	238	221 00	172	30 00	15	435	978 30	431,227	419 58
June	173 00	10	491 25	213	144 00	81	48 00	24	328	856 25	419,404	425 43
July	74 55	12	600 00	237	163 00	116	24 00	12	377	861 55	404,561	414 33
August	92 95	11	712 85	302	170 00	113	18 00	9	435	993 80	413,183	427 88
September	154 85	11	533 90	227	227 00	119	18 00	9	366	862 75	399,757	435 83
October	139 75	9	599 30	259	190 00	105	14 00	7	380	943 05	389,630	418 50
November	106 40	12	394 15	161	144 00	76	2 00	1	250	646 55	272,604	414 33
December	8 00	6	403 00	135	91 00	64	.....	.....	205	502 00	382,764	426 83
Grand Total.	$ 1,411 45	115	$ 6,153 30	2486	$ 1,892 00	1302	$ 208 00	104	4067	$ 9,664 75	$ 4,401,854	$ 5,263 08

Report of the City Civil Engineer.

Report of the City Civil Engineer.

To the Honorable Board of Improvements of the City of Cleveland:

GENTLEMEN:—I herewith submit my third Annual Report as City Civil Engineer, embracing the work of my department for the year ending December 31st, 1889.

The aggregate cost of all contract work for the year is $572,664.-96; this amount is less than for the preceding year, due, mainly, to the amounts expended on the new Seneca Street Bridge and in the completion of the Central Viaduct and Pearl Street Viaduct for that year, amounting to $508,724.47.

All of these structures, except a portion of the former, were completed in 1888, and the services of the special force of engineers, inspectors, etc., employed on them dispensed with, leaving no similar work or expenditures to be added to the summary for this year.

If we except the amount expended for bridge structures last year, and the single item of paving this year, the aggregate of all other work done the present season is $82,434.44 greater than in 1888.

The amount expended for paving is less than in the preceding year, owing, not only to a decrease in the amount of work done, but to a decrease of fully 20 per cent. in the prices paid.

GRADING AND PAVING.

Street pavements have been laid during the year to the amount of $118,020.37, representing fifteen streets and parts of streets.

The work upon eight of these streets has been repaving, in which the expense was divided equally between the city and property abutting; the repaving upon Seneca Street, between Canal Street and the N. Y., P. & O. R. R. freight office, embracing the approaches to Seneca Street bridge, was paid for by the city. The grading and paving of Division, or Old River Street, in front of the Water Works Pumping Houses, was paid for by the N. Y., P. & O. R. R. Company, for certain privileges granted; on the remaining five streets, the expense was paid by the abutting property, excepting for street intersections, and one-fiftieth part of the whole cost, which was paid by the city, as is the case in all first pavements.

With two exceptions, all of the above streets were paved with Medina stone, at a cost of $108,639.32.

Bolton Avenue, between Euclid and Cedar Avenues, and Carroll Street, between Pearl and York Streets, were paved with Porter's fire-clay paving brick, from New Cumberland, West Va., at a cost of about $1.35 per square yard, amounting to $9,380.95; the expense on the former street was paid by a frontage tax, and in the latter case Mr. Leonard Schlather, for himself and other property owners upon the street, advanced the necessary funds, and the work was done by the city.

Of the stone pavement laid, 69 per cent. of the amount was of Medina block stone, 25 per cent. of Medina common paving, with the usual sand and gravel filling, and six per cent. Medina common, filled with hot asphaltic cement, the same as with block stone paving.

The average cost per square yard of the different kinds of stone pavement laid is about 20 per cent. lower than prices in 1888, which accounts very materially for the decrease in the amount expended for paving as compared with the preceding year.

Block stone pavements still retain their high position as to smoothness, durability and moderate cost; and recommend themselves for all thoroughfares and heavy traffic streets.

As in previous years, all stone pavements have been laid on sand or gravel foundations; but I believe that in the future foundations of

broken stone and hydraulic cement, as recommended in Report of 1888, will be found most economical for streets of heavy traffic.

The fire-brick pavements, on the two streets named, were also laid directly upon the earth foundations, which had previously been properly crowned, rolled and tamped. The pavement consists of a single course of brick set on edge and in rows one-eighth of an inch apart.

On Bolton Avenue, and on a portion of Carroll Street, the rows were kept apart by a ⅛ x ¾ inch wood strip placed on the ground between them; on the balance of Carroll Street, by slight projections molded upon the bricks themselves under the McReynolds patent. In both streets the open joints were filled with hot cement, the same as in block stone paving.

I recommend the continued use of cement filling in all brick pavements; and that the rows of brick be placed ⅛ of an inch apart for this purpose, thus cementing the bricks together and rendering the pavement water-tight.

I am still of the opinion, as stated in my last annual report, that, to insure the best results, all brick pavements, when constructed as at present, with one course of bricks, only from 4 to 4½ inches in depth, should be placed on broken stone, cinder or other prepared foundation, as a substructure. I do not consider the question of durability yet fully established; the other points in their favor—moderate cost, smoothness, ease of construction and repair,— I think, are very generally conceded.

Genesee Street, between Euclid and Hough Avenues, is under contract to be paved with fire-brick; and doubtless would have been completed during the present season but for the burning of the factory that was to have supplied the material, about the time of beginning the work. It is expected that the work will be completed early the coming season, and is estimated to cost about $12,000.00.

Several private streets have been paved with brick during the season or are well under way, and will doubtless be added to the list of city streets during the coming season.

The old wood, concrete and so-called McAdam pavements are, with few exceptions, in bad condition; many beyond repair, and all must soon be renewed.

Under the present requirements of the statutes, one-half of the expense of all these renewals will come upon the city, providing such renewals be of stone, the other half upon the abutting property.

For some years the city's one-half of these renewals has been paid from the Sinking Fund of 1862; this fund has now very nearly reached the limit of depletion, which the Sinking Fund Commissioners deem consistent with the credit of the city, leaving little more than the interest on this depleted sum that can now be relied upon annually for paying the city's portion of this expense, and will be likely to extend through a number of years the work which should be completed in the next two or three.

I recommend that such relief be asked for as will provide proper funds for the repaving of these streets with as little delay as possible.

While providing for the maintenance of these once paved streets, the new and improved portions of the city must not be forgotten; the rapid growth of the city, the increase of business upon new and improved thoroughfares make the paving of such new territory imperative.

Repairs and renewals upon old pavements are a necessity, and must be done; but the pavements upon new streets should not be left undone.

It is not to the credit of a growing and prosperous city, that of its 440 miles of streets and alleys only one mile in seven is paved at all, and that scarcely more than one in ten is well paved.

The work of paving the city's streets was begun thirty-five years ago; to-day we have about sixty-six miles of pavements, all told; an average of less than two miles per year of new work; this has allowed many of our sister cities that take second place in wealth and population to outrank us two to one in the matter of pavements.

Stating these things may affect our pride, knowing them should effect a cure, and I am glad to note a growing sentiment upon the

part of the authorities and citizens generally for more and better pavements.

Action should be taken at once, looking to the paving of the leading thoroughfares and a very large proportion of the down-town streets and alleys, in the least number of years compatible with the city's credit, when loaned to the property owners in extending the times of payment of the cost of these proposed improvements.

I would respectfully recommend the enactment of such laws, legislative and municipal, as shall give to property owners the fullest opportunities to meet these expenses, by extending the payments through a term of years, or in such other way as shall secure these improvements as a boon, not as a burden.

GRADING AND CURBING.

Sixty-nine streets have been graded, or graded and curbed, during the year, at a cost of $55,185.13, representing 17.2 miles; the mileage of streets improved is 27 per cent., the aggregate cost 39 per cent., and the number of streets 47 per cent. greater than for similar work last year.

Medina stone crosswalks are now used in connection with the curbed streets at all street crossings and at many intermediate points. In this connection I would repeat my recommendation of last year, that the spaces between the ends of all crosswalks at curb line and the line of flagging on the sidewalks be filled in with flagging 4 feet in width, in place of the irregular pieces of old soft stone crosswalks that are now used; also, that the spaces between the rows of Medina crosswalk hereafter to be laid, and a narrow space upon each side of such walks be paved, with common Medina stone, in place of the very unsatisfactory broken stone filling now used. These proposed changes, coming almost wholly upon the city's portion of each improvement, will add little additional expense to the property, but will add greatly to the convenience of these crossings, which are wholly upon dirt streets.

The 5-inch curbing used on these streets has now almost wholly displaced the 4-inch curbing of former years, and adds greatly to the

appearance and stability of the work, with only a slight increase in cost of material.

There are almost fifty streets on the lists for grading and curbing during the coming year, at an estimated cost of $67,513.57.

The policy of regrading and curbing old and leading thoroughfares and down-town streets in advance of the paving of such streets, I think, should be discouraged, if not wholly discontinued. Such partial improvement of a street, that should at once be paved, frequently postpones the pavement or wholly defeats it. The cost of labor and engineering upon these curbed streets is almost wholly lost, if the paving is not added until long afterwards, the curbing, in most instances, being wholly redressed and reset, if not renewed, when the paving is laid.

In general, the improvement of a street piecemeal is not economy; and in all cases where pavements are now or are soon to be needed, these improvements should all be made at one and the same time.

The grading and curbing of the outlying and other streets, not thoroughfares, such as are not likely to be further improved for years to come, not only defines and beautifies the streets themselves, but adds uniformity to the lines and grades of buildings and fences, lawns and sidewalks; and, not least, adds to each newly curbed street the blessing of new and better crossings.

STREETS AND ALLEYS IN NEW ALLOTMENTS.

Attention is called to the large number of streets and alleys opened to the public in the new allotments which have been recommended by the Board and Council, and placed upon record during the year, as is shown in No. 18 of the appended tables.

Forty-six such new streets and alleys, aggregating nearly five miles in length, have been examined and reported upon to the Board by this Department precedent to the Board's recommendation of the allotments to the Council. Under the rules of your honorable body, all of these streets have been graded and improved by the owners, and proper culverts and catch-basins constructed, when required, before

the streets were opened to the public, or the allotments placed upon record.

These rules, which were at first looked upon as burdensome by many of the projectors of new allotments, are now very generally accepted by them as wise and necessary expenditures in making an allotment, as is shown by the readier sale and enhanced value of the lots; in many instances, paving, sewers and other improvements are voluntarily added, for like reasons.

I earnestly recommend the continuance of these rules pertaining to the improvement of streets in future new allotments, before such allotments are recorded, as the surest safeguards against damage claims, and often expensive litigation, caused by the random construction of buildings and other improvements upon ungraded streets, which must sooner or later be adjusted to proper lines and grades, at the expense of the abutting lot owners.

COLLECTIONS FOR SPECIAL IMPROVEMENTS.

In reference to the collections made each year for the special improvements made under my supervision, I can do no better than to quote from my annual report for last year, until a better way shall suggest itself, for supplying necessary funds to enable us to begin work earlier in the season. "All work in this department paid for by special levy, which includes street grading and curbing, paving and sewers, is greatly hindered, and the quality of the work often greatly depreciated, by the lateness in the season when, under the present law, the work may be commenced.

"No contract can now be approved by the Council until the Auditor can certify thereon that there is sufficient money in the City Treasury to the credit of that particular improvement to pay for the same. The last half of the tax for each improvement is not due until the 20th of June of the following year, and is not turned over to the city for two or three months thereafter; thus, the year's work must be done in the remaining three or four months, which, with rare exceptions, includes the inclement months for the completion of much of

the work; and in the case of graded streets, they often continue nearly impassable for the Winter. Two or three notable cases in this season's work have been reported where the streets are made worse rather than better, as the Fall rains follow almost immediately upon the completion of the work.

I suggest, as a remedy, that the first half of each year's special tax be paid in June, and the last half in December of the same year, in place of the December and June collections in different years, now in force. This, with perhaps the exception of the first year, would make no difference to the tax-payer, as the two parts of his tax are equal; but to the city, collection of the last half in December would give the Winter season for letting the work and making contracts, and the entire season could be utilized, giving eight months for work in place of three; the work would be early completed, and the streets well settled for the Winter."

There are no less than 128 streets on the lists for improvement during the coming year, 1890, estimated to cost $951,446.34. The last half of the tax for these improvements will not be received or the contracts approved before about September of that year. All of this work will be expected to be completed in the three months following, besides a number of streets to be paved or repaved, if the city shall see fit to issue its bonds or notes in anticipation of the tax now being collected therefor.

I have only to add that my statements in the above quotation from last year's report have been fully verified in their application to the work of the present year.

Nearly one-half of all the grading and curbing and many of the sewers were commenced and many of them completed by the prospective contractors before the Auditor could certify that the necessary funds had all been received and the contracts could be approved by the City Council, owing to lateness in which the last half of each year's taxes is received or to the delinquency of one or more tax-payers on a street.

In some instances, these shortages were advanced to the city by

the contractors themselves, that their contracts might be approved and the work completed before the end of the season; later, however, the Council authorized the issue of city notes to supply these shortages, and all contracts were subsequently approved, but too late in several instances to allow the work to be completed this season.

These instances are here cited only to call the attention of your Honorable Board to the urgent need for some radical change in this matter of special collections for street improvements.

STREET INTERSECTION FUND.

The fund set apart for the payment of the cost of improving street intersections should be sufficiently increased to keep pace with the new improvements ordered and completed each year.

On an average, from $\frac{1}{5}$ to $\frac{1}{8}$ of the cost of each of these new improvements is chargeable to this fund, the amount of which can only be very roughly approximated in each annual levy.

The property's portion of the expense of each improvement is carefully estimated, and a sufficient tax levied to meet it; the city's portion for street intersections in each case is not thus provided for, and is seldom thought of until at the end of the year the fund is found to have been overdrawn or the shortages carried forward into the next year.

It will always be impossible at the beginning of the year to anticipate all the work that the Council in its wisdom shall deem necessary, and shall order during the balance of the year, but past experience shows that this fund must be very considerably increased in order to meet the demands made upon it at nearly every session of the City Council.

SEWERS.

Plans have been prepared during the year for 19.38 miles of main and local sewers, and 11.50 miles have been constructed at a cost of $165,201.19, an increase in amount over the past year's work of nearly 80 per cent. in mileage and 50 per cent. in cost.

The principal mains completed during the year are those in Gor-

don Avenue, between Bridge and Lorain Streets, and in Wade Park Avenue, between East Madison and Marcey Avenues.

I hoped to have been able at this time to report the completion of the main sewer in East Madison Avenue, between Lake Erie and Lena Avenue; but the unfortunate delay at the crossing of the L. S. & M. S. Railway tracks, caused by the unwillingness of the railway authorities to break ground underneath their tracks during the Winter of 1888–89, so retarded construction that the connection at Lena Avenue cannot be made until the coming season. When completed, this sewer will drain an area fully twice as great as that drained by any other main in the city. In constructing the outlet at the lake shore, trouble was feared, by reason of the constant changes taking place in the shore line, caused by wave action, and as the season (1888) was too far advanced to allow the construction of an efficient protection, the outlet was placed so far back from the water line as seemed to render it perfectly secure from the erosions of a single season; however, the unusual and unexpected changes which took place in the shore line during the Winter, and the damages to completed brick-work attendant thereupon, demonstrated the necessity of immediate and thorough protection of the shore line at this point; and accordingly, as early as practicable in the present season, pile jetties were placed in position. The success of this mode of procedure has exceeded my most sanguine expectations. A sand beach, some two hundred yards in length and from five to twenty-five yards in width, has been formed, thus securing the bank from any further danger of sloughing off through the undermining action of the waves.

South Side citizens are to be congratulated upon the apparent happy termination of the Walworth Run difficulty. Suits for appropriation of right-of-way for a street through the valley having been decided, it remains for the City Council, by prompt action, to complete the opening of the street. So soon as this is done, the sewer will be advertised and construction begun. If no unnecessary delays occur, the work of construction can be completed the coming season.

The progress made in devising a system of intercepting sewers will be embodied in a later report to the "River and Sewer Commission."

SURVEYS.

Among surveys made during the year may be mentioned the one for the proposed opening of the old river bed into the lake. In this survey, about 3,000 feet in length of base lines were measured, and about 300 soundings taken in the lake and old river bed. Several streets in the vicinity of the proposed street in the valley of Walworth Run were surveyed, the work being required to settle questions arising in making the calculations and maps for the appropriation of land for said street. As showing the amount of work required from this office in this one appropriation case, it may be stated that the City Solicitor was furnished with maps and descriptions of 66 parcels of land, the latter covering 34 pages of legal cap in type-writing.

Also all buildings along the line of this street were located and platted, and sixteen stone monuments to define the angles in the street were set during the year.

Another survey was made to define the lines of Case Avenue, south of Croton Street, in accordance with a resolution of the Council, and which required an extensive examination of surveys and records.

On account of the large amount of office work in connection with the Walworth Street appropriation case, the number of surveys made during the year is less than in 1888.

The surveys made are given in Table No. 10.

SUBDIVISION PLATS.

Thirty-seven plats or maps of subdivisions, etc., which were finally approved by the Council, were examined and reported upon to the Board of Improvements, being exactly the same number as in 1888.

Forty-three new streets or parts of streets, and sixteen alleys were laid out by these plats.

It has been the endeavor of the Engineer to have the requirements of the ordinance regulating approval of plats and of the rules of the Board of Improvements for the proper defining and improving of such new streets and alleys complied with by the proprietors of

these subdivisions before reporting the plats favorably to the Board, and the accomplishment of this object has taken up considerable time and attention.

The names of the subdivisions and the date of their approval are given in Table No. 11.

HOUSE NUMBERING.

Surveys and maps for numbering houses on $23\frac{92}{100}$ miles of streets were made, as against $23\frac{6}{10}$ miles in 1888, but the actual difference in the amount of work required is much greater than would appear from these figures, as the number of houses located and platted in 1889 was 2,018 on 49 streets, and 1625 on 36 in 1888.

The streets numbered are given in Table No. 12.

STREET LIGHTING.

The total number of gas and vapor street lamps in use by the city on December 31st, 1889, was 8,161, being 4,839 gas, and 3,322 vapor, a net increase for the year of 208 gas and 403 vapor lamps, or a total increase of 611 lamps. These new lamps were all located and noted on the street-lamp maps.

No addition was made during the year to the 26–4,000 candle-power electric lights on masts. The number of 2,000 candle-power electric lights was increased from 66 to 80—an increase of 14—distributed as follows: 1 on Champlain Street, at Police Station; 1 on Pearl Street, at Columbus Street; 1 on Pearl Street, at Filmore Street; 1 at Broadway and Orange Street; 3 on Abbey Street, from Viaduct to Lorain Street; and 7 additional on Euclid Avenue, between Bond Street and Willson Avenue. On Euclid Avenue, between said points, the lights were rearranged, the 17 which had been located on posts along the northerly curb line, together with the 7 additional, were suspended over center of the roadway, at distances apart ranging from 350 to 500 feet. They were located, as nearly as could be, with reference to lighting intersecting streets. The lighting of the avenue has been greatly improved by this arrangement, but in my

opinion the lights are still too far apart for thorough lighting, as the distance between lights should not much exceed 300 feet, which would, however, largely increase the cost.

There was no change in contract prices for lighting from the preceding year, or in hours of lighting, viz. : 3,760 hours. The prices per year paid for lighting were as follows: Each gas lamp, $18.54; each vapor lamp, $14.90; each 2,000 candle-power electric light, $3\frac{7}{10}$ cents per hour, or $139.12 per year; each 4,000 candle-power mast-light, 10½ cents per hour, or $394.80 per year.

The total cost of street lighting for the year, including cost of new posts, lanterns, glass, repairs, etc., was $165,371.65, being an increase over 1888 of $13,137.37.

The bills for lighting the City Hall and Armory were $1,700.10, making total cost of lighting $167,071.75, against a total of $153,652.78 in 1888.

CUYAHOGA RIVER DREDGING.

A statement of the dredging for the season of 1889 is given in Table No. 18.

The systematizing of this work and the adoption and execution of government methods of inspection and checks during the last three years has been productive of the best results. It has allowed a greater improvement of channel with less money than in former years, in the face of greater prices. In other words, the present system has insured the actual performance of work paid for.

The advocacy by the Engineer of a bill to allow the city to receive proposals and enter into contract for a period of five years, if advantageous, has been fully justified by the recent bids, in which the price has been lowered to fifteen cents per cubic yard, against an average of about twenty-five cents during the last eight years, a reduction of fully 40 per cent.

The following table shows the nature and extent of the improvement during the last three years; also 1886, by way of comparison:

Year.	Below N. Y., P. & O. Ry. Bridge.		Between N. Y., P. & O. Bridge and Upper Valley Ry. Bridge.		Upper Valley Ry. Bridge to Canal Lock.	
	Width of Dredged Channel.	Depth.	Width of Dredged Channel.	Depth.	Width of Dredged Channel.	Depth.
1886	50 feet.	16 feet.	50 feet.	12 feet.	50 feet.	10 feet.
1887	75 "	16 "	75 "	12 "	75 "	10 "
1888	75 "	16½ "	75 "	12 "	50 "	10 "
1889	100 "	17 "	75 "	12 "	50 "	10 "
	*100 "	*18½ "	*75 "	*13 "	*75 "	*11 "

*Estimate for dredged channel the coming season, based on equivalent amount of money as used in 1889, and similar condition of river, at 15 cents per cubic yard.

If 18 feet available depth of water is given the coming season, below the N. Y., P. & O. Ry. bridge, it is necessary that the U. S. Government furnish an equally good channel from the L. S. & M. S. Ry. bridge to the lake.

The important industries dependent upon the old river bed demand and should receive increased attention and expenditure, and it is my opinion that the law governing the dumping of earth and other material in the harbor should be modified so as to increase and fix a minimum penalty for violation of same.

VIADUCTS AND BRIDGES.

This department has at the present time the care of about forty bridges. It does not seem as if the obligation of maintenance incurred by the construction of our viaducts and bridges is fully realized in a financial sense.

The cost of maintenance will *average* $70,000.00 per year. To meet the expenses of 1890, according to the estimate of the City Auditor, there will be about $37,739.00 in the Bridge Fund, plus about $3,000.00 per annum due the city from the railroad companies for use of said bridges; therefore, it is plain we are running behind at the rate of about $30,000.00 per year. A city has no right to erect bridges and then fail to care for them.

I again call attention to the unsafe condition of Swiss Street bridge, and to the fact that in a communication to the Honorable City Council some time ago I disclaimed further responsibility for the same.

A new bridge is also needed at Columbus Street; and while Center Street bridge may be nursed for a while longer, it would be good policy to replace it with a new and more adequate structure as soon as possible.

I would respectfully call attention to the fact that more than one outlet should be afforded to the interests centered on Whiskey Island; in case of accident to Willow Street bridge by vessels, (and there is no bridge in the city more liable to same) the citizens on the island are practically isolated.

The only new work of importance during the year has been the construction of Willow Street bridge. As the appointment and control of bridge-tenders is placed outside of this department, I would respectfully recommend that a portion of the Bridge Fund be set aside for that purpose, so that this department may know what amount of money it may rely upon for repairs and services of bridge-gang.

REPAIRS—CITY BRIDGES.

Following are some of the repairs done by the bridge-gang: Readjustment of entire Central Viaduct; cutting of I beams, taking up and relaying pavement, plank, etc., at end of draw span Central Viaduct, on account of movement or creeping of roadway; sheathing Seneca Street bridge; sheathing Superior Street draw; laying new planking on iron-work of Superior Street Viaduct, including removal of old paving blocks; new side-walks on Columbus Street bridge, including repairs to hand-railing, due to collision.

Additional turning gear and frame Willow Street bridge; new center-pin under Lower Central Way bridge; new approach on west end Jefferson Street bridge; flooring engine-room Central Viaduct; flooring engine-room Seneca Street bridge; new wooden down-spouts Kingsbury Run bridge; raising bents Pittsburgh Street extension

bridge; repairs to engine Main Street bridge; repairs to engine Superior Street bridge; repairs to engine Seneca Street bridge; repairs to engine Central Viaduct; repairs to paving Kingsbury Run Viaduct, and a great amount of minor repairs.

CEMENT TESTING.

The tests for the year are embodied in Table No. 19, which gives a record of all tests from 1887 to 1890. The figures given represent average tensile strength per square inch.

In closing, I desire to express my appreciation of the uniformly kind consideration which has been accorded to me by your Honorable Body, and the City Council. I also desire to extend thanks to the gentlemen of the Engineer's Department for the able and efficient manner in which they have performed the duties devolving upon them.

Respectfully submitted,

WALTER P. RICE,

City Civil Engineer.

February 15, 1890.

INDEX TO TABLES

AND

SUMMARY OF ALL WORK DONE DURING THE YEAR 1889.

Classification.	No. of Table	Page.	Amounts.
Street paving	1	20	$ 118,020 37
Street grading and curbing	2	22	55,185 13
Sewers constructed	3	26	160,105 15
Miscellaneous improvements	4	31	239,354 31
Total contract work			$ 572,664 96
PROSPECTIVE WORK.			
Improvements in progress—approximate cost to complete	5	35	$ 127,652 55
Special improvements in preparation for 1890	6	37	951,446 34
Street imp. for which approx. estimates have been made	7	41	393,150 68
Sewers—Resolutions passed and approx. estimates made	8	46	207,374 10
Total prospective work			$ 1,679,623 67
MISCELLANEOUS WORK IN 1889.			
Sewer plans prepared	9	50	78 sts.—19.38 miles.
Special surveys made	10	54	25.
Plats and sub-divisions examined and reported	11	56	37.
House numbering maps made	12	58	49 sts.—23.9 miles.
Street frontage and ownership maps made	13	61	98 sts.—27.1 "
Street cross-sections and levels made	14	67	281 sts.—47.8 "
Street grades established	15	80	47 sts.—11.84 "
Sidewalk grades given	16	83	45 sts.—19.58 "
Streets opened and improved, in new allotments	17	85	46 sts.—64.4 "
River dredging statement	18	88	
Hydraulic cement tests made	19		

TABLE NO. 1.

STREETS PAVED OR REPAVED DURING 1889.

Name of Street.	From	To	How Improved.	Cost.	Contractor.
Bolton ave	Euclid	Cedar	Paved	$ 5,715 06	Claflen Paving Co.
†Broadway	Mead	Union	Repaved	180 54	" "
†Case ave	L. S. & M. S. Ry	So. curb Payne ave	Paved	411 68	J. F. Brennan.
Canal	Champlain	Michigan	Repaved	4,508 26	Claflen Paving Co.
Cedar	Perry	Willson	Repaved	38,731 31	" "
Carroll	Pearl	York	Paved	3,665 89	F. Buettner.
Commodore	Superior	Payne	Paved		Property owners.
Champlain	N. line Canal	S. Water	Repaved	1,983 07	Claflen Paving Co.
*Cross	Woodland	Broadway	Paved	2,971 75	Rieley, Brennan & Gribben.
Division and Old River	W. line Water Works lot	Old River	Paved	3,502 77	F. Rieley.
Lorain	Waverly	Ridge	Repaved	17,398 89	Claflen Paving Co.
*Ontario	Monumental Square	Eagle	Repaved	4,182 55	Rieley, Brennan & Gribben.
Ontario	Lake	St. Clair	Repaved	10,178 65	Claflen Paving Co.

TABLE NO. 1.—*Continued.*

Name of Street.	From	To	How Improved.	Cost.	Contractor.
Perry	Euclid	Prospect	Repaved	$ 3,857 69	Warren-Scharf Paving Co.
Perry	Cedar	Woodland	Repaved	17,813 37	Clafien Paving Co.
†Pittsburgh	Liberal	Jackson	Paved	1,357 31	Frank Rieley.
Seneca	Bridge approaches		Repaved	1,561 58	Rieley, Brennan & Gribben.
—15 Streets.	Total			$ 118,020 37	

† To complete contract of previous year.

* Expended to date.

TABLE NO. 2.

STREETS GRADED, GRAVELED OR CURBED DURING 1889.

Name of Street.	From	To	How Improved.	Length in Feet.	Cost.	Contractor.
*Ackley avenue	Broadway	Fleet	Grade	2,829	$ 7,979 62	J. Vanstan.
Atwater	Miles	Pratt	" and Curb	555	592 91	P. O'Sullivan.
*Ansel avenue	Doan	Republic	" "	983	823 44	J. & G. E. Whitehouse.
A street	B street	Brookside	"	696		Property Owners.
†Brookfield	Hough	Euclid	"	2,141	1,577 75	A. W. & C. C. Brennan.
Brookfield	"	"	Curbed	2,141	1,300 25	A. W. Brennan.
Bolton avenue	"	"	Grade and Curb	2,268	1,646 84	B. McCarthy.
"	Cedar	Quincy	" "	2,232	1,691 11	J. W. McReynolds.
Brooker avenue	"	"	" "	2,430	1,691 93	"
Burton	Clark	Newark	"	955	323 29	P. O'Sullivan.
Brookside	A street	Kinsman	"	182		Property Owners.
†Corwin avenue	Woodland	Holton	"	1,160	41 97	J. & G. E. Whitehouse.
Croton	Case	Jackson	" and Curb	3,263	3,633 92	B. McCarthy.
Crawford	Hough	Genesee	" "	1,650	1,217 25	A. W. Brennan.
Congress	Woodland	160 feet n. of Remington	" "	519	486 69	J. & G. E. Whitehouse.
†Dibble	Willson	Norwood	"	1,588	19 82	A. W. & C. C. Brennan.
"	"	"	" and Curb	1,588	1,035 92	A. W. Brennan.

TABLE NO. 2.—*Continued.*

Name of Street.	From	To	How Improved.	Length in Feet.	Cost.	Contractor.
Dodge	Superior	Euclid	Grade and Curb	1,675	$ 1,540 69	Rieley, Brennan & Gribben.
Doan	Euclid	Ansel—Remington	" "	1,095	838 53	J. & G. E. Whitehouse.
Emmet	Marquardt	North to alley	"	1,555	125 28	" "
Fairmount place	Doan	Fairmount		543		Property Owners.
Finney	Hooker	250 feet south of alley	Grade	1,074	236 68	A. W. Brennan.
Genesee	252 feet north of Hough	780 ft. n. of Wade Pk.av.	Curbed	2,820		Property Owners.
Granger	Prospect	Garden	Grade and Curb	1,014	593 40	J. & G. E. Whitehouse.
Greenwood	Sibley	"	" "	941	776 90	M. E. Kavanaugh.
Howlett	Burton	Gauge	"	811	596 33	McCarthy & Vanstan.
Heisley	Weimer	Tod	"	611	159 32	J. Vanstan.
Hunting	Independence	North end	"	1,580	219 24	J. & G. E. Whitehouse.
Harbor	Franklin	Lorain	" and Curb	2,197	2,685 93	J. Fitzgerald.
Hough	Giddings	Lot line	Curbed	826		Property Owners.
Huss	Ackley	440 feet west	Grade	440		"
Jessie	Cedar	Garden	"	1,510	421 14	J. W. McReynolds.
Jewett	Petrie	Colorado	"	979		Property Owners.
Kenyon	Ackley	630 feet east	"	630		"
Keyes	E. Madison	Edwards	" and Curb	614	539 71	J. & G. E. Whitehouse.
King	Lawrence	Wasson	" "	934	653 88	M. O'Donnell.

TABLE NO. 2.—*Continued.*

Name of Street.	From	To	How Improved.	Length in Feet.	Cost.	Contractor.
Linton	Ackley	South end	Grade	854	$	Property Owners.
*Lake	Erie	Alabama	" and Curb	4,996	4,599 77	Rieley, Brennan & Gribben.
Lisbon	Woodland	728 feet south	" "	728	540 29	J. W. McReynolds.
Linden	Scovill	Woodland	" "	1,065	745 81	J. & G. E. Whitehouse.
Lorain	Ridge	Geib	"	1,580	590 15	A. W. Brennan.
Marcy	687 feet north of Hough	764 feet n. of Wade Pk. av. (west side only)	Curbed	2,457		Property Owners.
†Mayflower	Woodland	Croton	Grade and Curb	934	80 70	Thos. Gregory.
Mayfield	Euclid	Limits	" "	649	502 87	J. & G. E. Whitehouse.
Mound	Ackley	Westerly	"	500		Property Owners.
*Newark	Burton	Rhodes	" and Culvert	1,518	1,135 36	J. Fitzgerald.
†Payne	Sterling	Willson	" and Curb	4,807	2,687 61	J. W. McReynolds.
Prague	Gordon	Wine	"	681	318 54	P. O'Sullivan.
*Portland	Kennard	Willson	" and Curb	1,054	39 60	J. W. McReynolds.
Petrie	S. L. Egger's allotment	Fleet	"	319		Property Owners.
Quimby	Giddings	West line A. S. allot.	" and Curb	808	470 58	A. W. & C. C. Brennan.
*Quimby	Willson	Norwood	"	1,607	194 80	J. Fitzgerald.
Ruggles	Miles	Pratt	"	560	159 17	P. Darragh.
*Rossiter	St. Clair	Superior	"	826	57 00	M. O'Donnell.
Russell	Lexington	Quimby	Curbed	390		Property Owners.

TABLE NO. 2.—*Continued.*

Name of Street.	From	To	How Improved.	Length in Feet.	Cost.	Contractor.
Sterling	Prospect	Scovill	Grade and Curb	2,478	$ 2,000 24	M. E. Kavanaugh.
Shirley	Sykora	Nuss	"	645	115 60	J. & G. E. Whitehouse.
Sherbrook	Superior	North end	" and Curb	552	452 43	Regan & Burns.
Sterling	Hamilton	Euclid	" "	4,278	3,627 08	B. McCarthy.
Sterling place (N. side)	Waring	Rossiter	"	240	35 28	M. O'Donnell.
" (S. side)	"	"	"	240	58 43	"
*Sonora	Sterling	Lawrence	"	814	63 00	"
*Trumbull	Davies	Forest	"	544	222 50	Wm. Eggers.
*Vermont	Pearl	Hanover	Grade, Curb, Paved Gutters	541	983 18	Regan & Burns.
Vergennes	Mound	Fleet	Grade	1,553		Property Owners.
Waring	St. Clair	Superior	"	802	68 03	Regan & Burns.
Watkins	E. Prospect	Cedar	" and Curb	397	354 52	J. W. McReynolds.
*Weimer	Kenyon	Fleet	" and Culvert	1,826	1,554 97	J. Vanstan.
Worthington	Cliff	South end	"	381	88 46	J. & G. E. Whitehouse.
— 69 streets.	Total			90,673	$ 55,185 13	

† To complete. * Expended to date. No cost added for work done by "Property Owners." $=17\frac{176}{1000}$ miles.

TABLE NO. 3.

SEWERS CONSTRUCTED IN 1889.

Name of Street.	From	To	Length in Feet.	Size.	Material.	Cost.	Contractor.
Abram	Clark	Rowley	465	12 in. cir.	Pipe	$ 229 00	Daykin Bros.
Arch	Croton	Burwell	283	12 "	"	185 80	Clements Bros.
Astor ave.	Dunham	Giddings	1,307	No. 2	Brick	2,239 74	L. F. Beers.
Auburn	Pearl	Scranton	825	" 2	"	1,422 66	J. O'Donnell.
Auburn	Scranton	Jennings	485 408	" 2 12 in. cir.	" Pipe	935 64	L. F. Beers.
Auburn	Jennings	Merchant	593	12 "	"	413 20	"
Beck	Case	Easterly	400	12 "	"	475 00	Clements Bros.
Belden	Superior	Payne	1,322	No. 2	Brick	2,644 74	J. F. Kuentz.
Buhrer ave.	Scranton	Jennings	1,450	" 2	"	2,083 36	L. F. Beers.
Burwell	Forest	30 ft. W. of Arch	360	12 in. cir.	Pipe	247 50	"
Burwell	Case	Wallingford	496	18 "	Brick	542 58	"
Calvert	Cedar	Garden	742	12 "	Pipe	372 28	Thomas Wood.
Canal	Champlain	Michigan	562	No. 2	Brick	984 26	Clements Bros.
Case ave.	Croton	Woodland	843	" 2	"	1,318 30	"
Cherry	Perry	Liberal	642	12 in. cir.	Pipe	518 08	L. F. Beers.
Clark ave.	Pearl	Scranton	500	12 "	"	337 02	Thos. Wood.

TABLE NO. 3.—*Continued.*

Name of Street.	From	To	Length in Feet.	Size.	Material.	Cost.	Contractor.
Clark ave	Jennings	Noyes	654	12 in. cir.	Pipe	$ 408 40	L. F. Beers.
Clifton	Payne	Kelly	455	12 "	"	246 00	Clements Bros.
Commodore	Superior	Payne	1,500	No. 2 9 in. cir.	Brick Pipe	590 00	Wood, Hanna & Co.
Commonwealth	Wade Park	Stanley	400 1,000	12 " 18 "	" Brick	2,190 00	L. M. Southern.
Dix	E. Madison	Westerly	532	12 "	Pipe	280 15	Campbell Bros.
*†East Madison ave	Lake Erie	Lena	220 285 1,895 2,200	6 ft. cir. 5 " 9 " 8 "	Brick " " "	75,021 76	Clements Bros.
Fairmount st	Euclid	Northerly	560	12 in. cir.	Pipe	254 70	Campbell Bros.
First ave	Garden	Quincy	403 440	12 " No. 2	" Brick	987 49	Thos. Wood.
Fowler	Broadway	Sawtell	971	15 in. cir.	Pipe	951 18	J. F. Kuents.
Giddings ave	Wade Park	Astor	920	No. 2	Brick	1,727 25	Thos. Wood.
Glendale ave	Cedar	Southerly	683	12 in. cir.	Pipe	368 04	Wood, Hanna & Co.

TABLE NO. 3.—*Continued.*

Name of Street.	From	To	Length in Feet.	Size.	Material.	Cost.	Contractor.
Gordon ave	Bridge	Lorain	650 820 440 340	No. 5 " 4 " 3 " 2	Brick " " "	$ 8,372 42	J. F. Kuentz.
Grant	Cedar	Garden	482 513	15 in. cir. 12 in. cir.	Pipe "	618 95	Thos. Wood.
Grove	Croton	Orange	441	12 in. cir.	"	277 14	L. F. Beers.
Handy	Payne	Euclid	1,200	15 in. cir.	"	1,000 00	Clements Bros.
Holmden ave	Pearl	Scranton	400	12 in. cir.	"	274 60	L. F. Beers.
"	Scranton	Jennings	1,522	No. 2	Brick	1,993 68	L. F. Beers.
Hough ave	Bolton	500 ft. E. of Holt	913 492	" 3 " 2	"	2,654 67	L. F. Beers.
"	Giddings	Westerly	630	12 in. cir.	Pipe	331 86	L. F. Beers.
Irvington	Cedar	Garden	1,450	15 in. cir 12 in. cir	"	1,312 00	Thos. Wood.
Kensington	Hough	Euclid	2,180	12 in. cir.	"	1,133 00	Thos. Wood.
Lake	Case	Wason	695	No. 2	Brick	1,427 48	Campbell Bros.
Linwood	E. Madison	Genesee	644	" 2	"	1,228 95	Thos. Wood.
Margaret	Kirtland	Willson	808	" 2	"	1,309 62	Campbell Bros.

TABLE NO. 3.—*Continued.*

Name of Street.	From	To	Length in Feet.	Size.	Material.	Cost.	Contractor.
Mayfield	Euclid	City limits	639	No. 2	Brick	$ 1,363 99	Campbell Bros.
Merchant ave	Willey	Auburn	1,286	" 2	"	2,108 89	Thos. Wood.
North Place	Garden	Northerly	315	12 in. cir.	Pipe	296 85	Campbell Bros.
Oakdale	Cedar	Quincy	245 2,075	12 in. cir. No. 2	" Brick	3,718 82	L. F. Beers.
Orange	Case	Forest	1,042	" 2	"	1,565 72	Campbell Bros.
Payne	Huntington	Handy	370	20 in. cir.	"	750 00	Clements Bros.
Quincy	Giddings	Westerly	640	12 in. cir.	Pipe	334 43	L. F. Beers.
Ruskin	St. Clair	Northerly	440 500	15 in. cir 12 in. cir	"	650 00	Thos. Gregory.
Sawtell ave	Woodland	Picnic	250 460 1,600	12 in. cir. No. 3 " 2	" Brick "	4,346 72	Campbell Bros.
Scranton ave	Willey	Parafine	400	12 in. cir.	Pipe	337 30	J. F. Kuentz.
Seneca	Canal	Valley R'y	148	15 in. cir.	"	144 16	J. F. Kuentz.
Slater ave	Woodland	Outhwaite	462	12 in. cir.	"	341 53	L. F. Beers.
Stanley	Genesee	Marcey	500	12 in. cir.	"	700 00	L. M. Southern.
Van Hess	Wade Park	Stanley	500 1,000	12 in. cir. 18 in. cir.	" Brick	2,250 00	L. M. Southern.

TABLE NO. 3.—*Continued.*

Name of Street.	From	To	Length in Feet.	Size.	Material.	Cost.	Contractor.
Vermont	Pearl	Hanover	529	12 in. cir.	Pipe	$ 433 82	J. F. Kuentz.
*Wade Park ave.	E. Madison	Marcey	2,529	No. 6	Brick	15,523 53	Campbell Bros.
Wallingford Court	Burwell	Woodland	76 551	18 in. cir. 12 in. cir.	Brick Pipe	497 46	Clements Bros.
Wellesley Place	Sawtell	Westerly	600	12 in. cir.	Pipe	279 25	Campbell Bros.
West Clinton	Waverly	Gordon	627	No. 2	Brick	959 90	J. F. Kuentz.
Willey	Merchant	Pelton	369	" 2	"	668 95	Thos. Wood.
†Willey and Tracy	Walworth Run	Freeman	368 651	18 in. cir. 16 in. cir.	" Iron pipe	836 47	Clements Bros.
Woodland Cemetery	Quincy	Southerly	944	12 in. cir.	Pipe	1,080 80	Campbell Bros.
Willout ave.	Woodland	Beaver	808	12 in. cir.	"	653 10	Thos. Wood.
Wilbur	Streator	Easterly	525	12 in. cir.	"	355 00	J. W. McReynolds.
			60,730			$ 160,105 19	
			Printing, Coll. and Supt.			5,096 00	
			Total cost			$ 165,201 19	

* Incomplete. † Work done in 1889.

6.40 miles brick; .12 miles iron; 4.98 miles pipe; total, 11.50 miles. Total cost, $165,201.19.

TABLE NO. 4.

MISCELLANEOUS IMPROVEMENTS DURING 1889.

	Kind of Improvement.	Cost.	Contractor.
Armory	Repair to furnace	$ 13 00	P. T. McKinney.
†Ackley avenue	Culverts	2,284 96	J. Vanstan.
*Brookfield street	Culvert	51 12	L. F. Beers.
†Bolton avenue	"	516 76	"
"	Repairs to sewer	37 90	"
Central Viaduct	Repairs	167 13	Variety Iron Works.
"	Protection piles	295 00	C. H. Strong & Son.
"	Stairs	900 00	Woodhill & O'Gorman.
* "	Lumber for floors	96 42	W. I. Lindsay.
"	Repairs to gears	325 00	Walker Manufacturing Co.
"	Pinions	268 02	Variety Iron Works.
City Hall	Ceiling in store	72 00	W. J. O'Neil.
"	Wagon scales	135 00	C. C. Lyman.
*Cuyahoga River	Dredging (1887)	300 00	W. E. Rooney.
* "	" (1888)	569 56	L. P. & J. A. Smith.
* "	" (1888)	544 59	W. E. Rooney.

TABLE NO. 4.—*Continued.*

	Kind of Improvement.	Cost.	Contractor.
Cuyahoga River	Dredging between piers	$ 879 12	Stang & Kerr.
† "	"	20,028 33	"
Columbus street Bridge	Driving piles	235 00	Gloyd & Engle.
"	Repairs to sewer	208 05	Campbell Bros.
East Madison avenue	Sewer protection	1,688 49	Gloyd & Engle.
Guernsey street	Laying drains	88 00	H. W. S. Wood.
Giddings Brook	Culvert near East Madison avenue	421 00	L. F. Beers.
Kingsbury Viaduct	Cinders	52 50	N. Y., L. E. & W. Ry.
"	Repairs to sewers	137 47	J. F. Kuentz.
Lumber	Bridge repairs	1,298 10	Lindsay & Stroup.
Lincoln avenue	Sewer repairs	22 50	L. F. Beers.
"	Catch basin	60 00	Wood Bros.
"	"	91 10	L. F. Beers.
"	2 Catch basins	82 66	"
Marquette street sewer	Repairs to outlet	407 72	John Ingham.
" "	"	123 50	Campbell Bros.
" "	Breakwater	800 00	J. G. Bruggeman.
" "	Repairs	40 00	J. Sieferling & Son.

TABLE NO. 4.—*Continued.*

	Kind of Improvement.	Cost.	Contractor.
*Seneca street Bridge	Substructure	$ 14,059 64	Gloyd & Engle.
* " "	Superstructure	9,332 12	Variety Iron Co.
" "	Engine	2,491 00	Thos. Manning, Jr.
" "	Repairs	369 91	Variety Iron Co.
" "	Repairs to protection piles	39 75	Gloyd & Engle.
" "	Retaining wall	85 00	W. I. Lindsay & Co.
" "	Repairs to sewer outlet	144 16	J. F. Kuentz.
Street lighting	Gas lamps east of river	67,258 08	Cleveland Gas Light & Coke Co.
"	" west "	24,318 48	People's Gas Light Co.
"	Vapor lamps	47,565 65	Harrison-Many Lighting Co.
"	Electric "	20,129 49	Brush Electric Light and Power Co.
"	Lanterns and supports	1,223 00	H. B. Hunt.
"	Glass for lanterns	2,724 56	Van Cleve Glass Co.
"	Iron lamp posts	3,449 85	Bowler & Co.
Sidewalks	Delinquent	1,176 33	S. Smith.
Street sprinkling	Front city property	114 29	M. E. Kavanaugh.
"	"	414 28	J. A. McAdams.
"	"	368 57	T. J. Costello.

TABLE NO. 4.—*Continued.*

	Kind of Improvement.	Cost.	Contractor.
Street Sprinkling	Front City Property	$ 699 29	F. Geib.
"	"	117 00	J. Vanstan.
"	"	157 71	A. F. Krumheuer.
Street signs		66 15	J. M. Keller.
Waverly avenue	Catch basin	55 00	Fred. Kuentz.
Willow street Bridge	Superstructure	9,755 00	John W. West.
Total		$ 239,354 31	

† Not complete.

* To complete.

TABLE NO. 5.

IMPROVEMENTS UNDER CONTRACT AND IN PROGRESS, SHOWING THE ESTIMATED COST TO COMPLETE THE SAME.

Street.	From	To	Kind of Improvement.	Approximate cost to complete.	Contractor.
Ackley	Broadway	Fleet	Grade	$ 1,000 00	J. Vanstan.
Cross	Woodland	Broadway	Paving	385 00	Rieley, Brennan & Gribben.
Cologne	Auburn	N. end	Grade and gutters paved	232 00	J. Fitzgerald.
Detroit	Kentucky	210 ft. W. of Waverly	Repaving	17,000 00	Clafien Paving Co.
Delinquent Sidewalks			Stone flagging	1,000 00	S. Smith.
E. Madison ave	Euclid	Woodland	Main Sewer	1,600 00	Clements Bros.
" "	Lake Erie	Lena	" "	50,000 00	" "
Genesee "	Hough	Euclid	Paving	10,000 00	F. Buettner.
Hough "	E. Madison	Holt	Grade and Curb	3,500 00	C. A. Ferguson.
Lake	Erie	Alabama	" "	125 00	Rieley, Brennan & Gribben.
Newark	Burton	Rhodes	" and Culverts	200 00	J. Fitzgerald.
Ontario	Mon. Square	Eagle	Repaving	30,000 00	Rieley, Brennan & Gribben.
Portland	Kennard	Willson	Grade and Curb	600 00	J. W. McReynolds.
Quimby	Willson	Norwood	Grade	120 00	J. Fitzgerald.
Rossiter	St. Clair	Superior	"	40 00	M. O'Donnell.

TABLE NO. 5.—*Continued.*

Street.	From	To	Kind of Improvement.	Approximate cost to complete.	Contractor.
Sonora	Sterling	Lawrence	Grade	$ 20 00	M. O'Donnell.
Union	Broadway	Woodland Hills.	Grade and Cinder	9,383 92	J. Vanstan.
Vermont	Pearl	Hanover	Grade, Curb, and Pave Gutters	726 63	Regan & Burns.
Wade Park ave	E. Madison	Marcy	Main Sewer	500 00	Campbell Bros.
Weimer	Kenyon	Fleet	Grade and Culverts	220 00	J. Vanstan.
Total				$ 127,652 55	

TABLE NO. 6.

SPECIAL IMPROVEMENTS TO BE MADE DURING 1890.

Name of Street.	Nature of.	From	To	Estimated Cost.
Ashland	Sewer	Garden	Quincy	$ 1,413 84
Asylum	Grade and Curb	St. Clair	Superior	998 34
Allen	Sewer	Parkman	Brownell	460 00
Baden ave	Curbing	Garden	Quincy	839 16
Birch	Sewer	Bridge	Lorain	1,438 28
Bolton ave	Paving	Euclid	Hough	12,086 21
Broadway	Main Sewer	Union	Miles ave	44,878 00
Brookfield	Sewer	Euclid	Hough	1,828 00
Brunswick	"	St. Clair	Superior	1,597 79
"	Curbing	"	"	1,376 51
Burwell	Sewer	Case	Forest	1,582 08
Calvert	Grade, etc	Cedar	Garden	703 11
Cedar ave	Main Sewer	E. Madison	Doan	25,325 00
"	" "	Doan	Fairmount	3,877 00
"	Repaving	Willson	E. Madison	51,873 96
Chapel	Grade and Curb	Scovill	Woodland	868 71
Cherry	Sewer	Perry	Cherry alley	281 88
Church	Curbing	State	Duane	632 42
"	Sewer	"	"	566 50
Cottage	Grade and Culvert	Ætna	Marble	1,668 66
Crawford	Curbing	Wade Park ave	Hough	3,459 09
"	Sewer	Hough	Genesee	2,449 00
Cologne	Grade, pave gutters	Auburn	N. end	337 37
Czar	Grading	Broadway	Colorado	248 03
Cuyahoga River	Dredging			25,000 00
Dare	Sewer	Franklin	Bridge	2,061 66
Detroit	Repaving	Kentucky	210 ft. W. of Waverly	17,012 00
E. Prospect	Sewer	Schiely Ct	175 ft. W. of Morse ave	9,159 03
"	"	E. Madison	197 ft. W. of Watkins	640 05
"	"	Lincoln	Bolton	1,284 71
Engel	"	Broadway	Tod	3,082 26
Ensign	Grade and Curb	Kinsman	Willson	680 60
Euclid ave	Repaving	Eric	Mon. Square	28,057 35

TABLE NO. 6.—*Continued.*

Name of Street.	Nature of.	From	To	Estimated Cost.
Euclid ave	Repaving	Erie	Perry	$ 62,343 07
First ave	Sewer	Woodland	Outhwaite	513 90
"	"	Outhwaite	Scovill	493 00
Florence	Grade and Curb	Quincy	"	504 08
Garden	Paving	Brownell	Willson	80,987 74
Gary	Curbing	E. Madison	Ingleside ave	722 94
Genesee ave	Paving	Euclid	Hough	12,234 69
"	Sewer	Wade Park ave	"	5,327 00
Giddings ave	Grade and Curb	Hough	Euclid	1,457 75
"	Sewer	Quincy	Woodland	3,535 50
"	"	Lexington	Euclid	5,261 67
"	Curbing	Hough	Beecher	1,794 69
Glass	Grading	Lyon	Gold	312 00
Green	Sewer	Monroe	Lorain	2,067 24
Gilbert	Grading	Clark	Storer	766 46
Greenwood	Sewer	Cedar	Sibley	155 04
Halsey	"	"	530 ft. South	960 00
Hamilton	Grading & Curbing	Muirson	Dodge	1,105 86
Hanover	Curbing	Washington	Detroit	650 13
Harbor	Sewer	Ravine	Lorain	4,711 00
Harkness	"	Hough	Euclid	4,418 90
Hollister	Grading	Broadway	North end	309 05
Holt	Curbing	Crawford	Hough	1,859 08
Home	"	E. Madison	West end	617 53
Hough	Grading, etc	Holt	490 ft. easterly	772 07
"	Grading & Curbing	Holt, E. line	E. Madison	4,093 77
Hunter	Grading	Broadway	912 ft. North	464 64
Higgins	"	Lorain	Clark	417 28
Jennings ave	Sewer	Clark	Brainard	3,222 79
"	Paving	Abbey	"	48,474 96
Jessie	Curbing	Cedar	Garden	1,208 52
John	Sewer	Randall	Woodbine	512 14
Lamont	"	Republic	Hough	4,288 00
Laurel	Grading & Curbing	Scovill	Woodland	1,049 83

TABLE NO. 6.—*Continued.*

Name of Street.	Nature of.	From	To	Estimated Cost.
Lexington	Curbing	Dunham	Giddings	$ 1,622 24
Liberty	Sewer	Ravine	Lorain	2,841 00
"	"	Bridge	"	1,091 52
Lincoln ave	"	Cedar	Quincy	5,187 00
Lodge ave	"	Garden	"	1,429 28
Logan ave	"	Lamont	Euclid	3,775 00
Longwood ave	Grading & Curbing	Scovill	Woodland	1,009 72
Luther	Sewer	Willson	Norwood	3,384 00
Maple	Grading & Curbing	Garden	Scovill	816 96
Marcy	Sewer	Wade Park ave	Hough	5,537 00
McCurdy	Grading	Woodland	Holton	403 97
McLean	Sewer	Chatham	Lorain	881 50
Mentor ave	Grading & Curbing	Scranton	Jennings	1,890 48
Merchant ave	Sewer	Willey	Cliff	3,518 50
Minerva	Grading & Curbing	Hough	N. end	951 83
Morse ave	Paving	Euclid	E. Prospect	4,301 80
Muirson	"	"	St. Clair	18,794 48
Newall	Sewer	Mentor	Castle	381 59
Noyes	Grading	Branch	Clark	1,137 38
Oregon	Sewer	300 ft. E. of Dodge	N. Perry	542 82
"	Grading	Muirson	Perry	3,699 33
Outhwaite	Sewer	Florence	Willson	1,567 41
"	"	"	300 ft. easterly	288 00
"	Curbing	Kennard	Willson	1,005 48
Ontario	Repaving	Mon. Square	Eagle	49,804 77
Payne ave	Paving	Superior	Muirson	1,593 55
Pelton ave	Main Sewer	Cliff	Starkweather	7,030 50
Pine	Sewer	Sterling	Greenwood	480 09
Platt	Curbing	E. Madison	Lincoln	1,111 26
Portland	"	Kennard	Willson	833 93
Princeton	Grading & Curbing	Linwood	Hough	904 70
Professor	Sewer	Pelton	Starkweather	6,322 00
Prospect	Repaving	Case	Willson	25,993 96
"	"	Erie	Perry	46,794 61

TABLE NO. 6.—*Continued.*

Name of Street.	Nature of.	From	To	Estimated Cost.
Ravine	Main Sewer	Harbor	Dare	$ 6,555 00
Republic	Sewer	Lamont	Euclid	3,547 00
Root	"	Lorain	Ravine	3,886 00
"	Curbing	Bridge	Lorain	653 18
Sawtell ave	Paving	Woodland	Julia	16,736 74
Selden	Grading & Culverts	Clark	Storer	1,557 36
Seymour	Sewer	Pearl	Scranton	642 79
Slater ave	Grading & Curbing	Quincy	Woodland	1,718 73
S. Bell ave	Sewer	Cedar	1,650 ft. South	4,327 00
Stanton	Grading & Curbing	Giddings	E. Madison	1,297 50
Star ave	Sewer	E. Madison	Seedle	4,820 00
Stark ave	Graveling & Curbing	Fairmount	Cedar	1,082 90
State	Curbing	Washington	Detroit	607 73
Sterling	Grading & Curbing	Scovill	Woodland	815 52
Superior	Sewer	E. Madison	Ansel	31,797 00
Swiss	"	Clark	Train	1,537 69
"	"	Walworth Run	C., C., C. & I. R'y	824 00
Tamworth	Grading & Culvert	Heisley	Fleet	1,283 14
Taylor	Sewer	Ravine	Lorain	4,112 00
"	Grading & Curbing	Franklin	23d ave	1,112 81
Tilden ave	Sewer	Crawford	Euclid	1,817 67
Townsend	"	E. Madison	Edwards	574 80
University	"	Cliff	Starkweather	14,578 50
Union	Grading & Cinder	Broadway	Woodland Hills	9,383 92
Vienna	Sewer	Cedar	1,620 ft. South	630 00
Wade Park ave	Curbing	Norwood	E. Madison	2,418 82
Woodland ave	Sewer	E. Madison	Woodland Hills	22,314 00
"	Repaving	Willson	E. Madison	76,470 84
Total Sidewalks				18,237 12
Total				$ 951,446 34

TABLE NO. 7.

STREET IMPROVEMENTS FOR WHICH APPROXIMATE ESTIMATES HAVE BEEN MADE, RESOLUTIONS AND ORDINANCES HAVE BEEN PREPARED, IN ORDER TO ASSESS THE TAX.

Street.	From	To	Proposed Improvement.	Approximate Cost.
Ash	Clark Ave	Train	Grade	$ 467 96
Burton	"	Newark	"	522 64
Branch	Jennings Ave	Merchant ave	"	199 45
Brunswick	St. Clair	Superior	Grade and Curb	1,376 51
Baden	Garden	Quincy	" " "	833 68
Brookfield	Hough Ave	Euclid ave	Pave	11,302 83
Bolton	"	" "	"	12,086 21
Bond	Summit	Superior	"	37,880 42
Birch	Franklin Ave	Lorain	Grade and Curb	2,153 08
Calvert	Garden	Cedar	" " "	703 11
Crawford	Hough Ave	Wade Park ave	" " "	3,459 00
Church	State	Duane	" " "	632 44
Cobleigh	Willson Ave	East end	" " "	359 42
Courtland	Bridge	Franklin ave	" " "	987 19

TABLE NO. 7.—*Continued.*

Street.	From	To	Proposed Improvement.	Approximate Cost.
Carroll	Pearl	York	Pave	$ 3,600 00
Dike	Quincy	Outhwaite	Grade and Curb	1,221 26
Dare	Bridge	Lorain	" " "	1,424 44
Detroit	Kentucky	210 ft. W. of Waverly	Repave	20,996 90
"	"	210 ft. W. of Waverly	"	21,398 09
Dexter	Clinton	Franklin Place	Pave	1,002 65
East Madison	Euclid Ave	Cedar	Grade and Curb	1,514 68
"	Woodland Ave	Kinsman	" " Culvert	12,441 94
Emerald Alley	Muirson	Dodge	Pave	6,825 70
Florence	Scovill Ave	Quincy	Grade and Curb	504 08
First	Quincy	Woodland ave	" " "	1,871 72
Forest	Cedar Ave	Garden	" " "	851 18
Gary	E. Madison Ave	Ingleside ave	" " "	722 94
Giddings Ave	Hough Ave	Euclid ave	" " "	1,457 75
"	"	Beecher	" " "	1,794 69
Grace	Ridge Ave	Geib	Grade	344 76
Glass Ave	Lyon	Gold	"	312 00
Gilbert	Clark Ave	Storer ave	"	766 46
Granger	Prospect	Garden	Paving	5,436 53

TABLE NO. 7.—*Continued.*

Street.	From	To	Proposed Improvement.	Approximate Cost.
Holt	Crawford	Hough ave	Grade and Curb	$ 1,859 08
Home	E. Madison Ave	West end	" " "	617 53
Hoadley	Superior	Mason	" " "	2,775 54
Huron	Sheriff	Erie	Pave	22,223 76
Jessie	Garden	Cedar	Grade and Curb	1,169 52
Jennings	27 feet So. of Abbey	S. L. of Brainard	Pave	48,474 96
Longwood	Scovill Ave	Woodland ave	Grade and Curb	1,009 72
Lexington	Dunham Ave	Russell ave	" " "	1,622 24
Lees Ct	Woodland Ave	North End	" " "	442 28
Liberty	Bridge	Lorain	" " "	853 73
Lorain	Ridge	Geib	Pave	14,503 85
Linden	Garden	Scovill Ave	Grade and Curb	1,069 83
McCurdy	Woodland Ave	Holton Ave	Grade	403 97
Muirson	St. Clair	Euclid Ave	Pave	18,794 48
Minerva	Hough Ave	N. End	Grade and Curb	951 83
Morse	Euclid Ave	E. Prospect	Pave	4,301 80
Marion	Perry	Greenwood	Grade and Curb	1,566 44
Noyes	Branch Ave	Clark Ave	Grade	1,137 38
Newark	Rhodes Ave	Selden	Grade and Culvert	1,257 69

TABLE NO. 7.—*Continued.*

Street.	From	To	Proposed Improvement.	Approximate Cost.
Outhwaite	Willson Ave	Cemetery	Grade and Curb	$ 2,041 24
Olive	Hough Ave	Euclid Ave	Pave	11,692 39
Platt	E. Madison Ave	Lincoln Ave	Grade and Curb	1,111 26
Payne	Superior	Muirson	Pave	1,593 55
Princeton	Hough Ave	Linwood	Grade and Curb	904 70
Root	Bridge	Lorain	" " "	653 18
Rutland	Kinsman	1,100 ft. South	Grade	683 34
Root	Franklin	Lorain	Grade and Curb	2,112 15
Rockwell	Wood	Erie	" " "	1,804 92
Selden Ave	Clark Ave	Selden All't	Grade and Culvert	1,459 81
"	"	Storer Ave	" " "	1,557 36
Sawtell	Woodland Ave	Julia	Pave	11,855 83
"	"	"	"	15,419 88
Slater Ave	Quincy	Woodland Ave	Grade and Curb	1,718 73
Stanton	E. Madison Ave	Giddings "	" " "	1,555 58
Sackett	Pearl	Rhodes "	Grade and Cinder	2,329 34
Stark	Cedar	Fairmount	Grade, Gravel and Curb	1,082 90
Sibley	Case	Kennard	Pave	5,289 70
State	Washington	Detroit	Grade and Curb	607 73

TABLE NO. 7.—*Continued.*

Street.	From	To	Proposed Improvement.	Approximate Cost.
Swiss	Lorain	Clark Ave	Pave	$ 26,536 80
Seelye	Woodland Ave	Julia	Grade and Curb	1,498 13
Seneca	Lake	St. Clair	Repave	12,731 85
Sheridan	Francis	526 S. of Roland	Grade and Culvert	1,915 73
Tennyson	Woodland Ave	Evarts	Grade	278 31
Taylor	Franklin	23d Ave	Grade and Curb	1,112 81
Trumbull	Davies	Forest	Grade	731 74
Wilcox	Canton	Fullerton	"	384 38
Total				$ 393,150 68

TABLE NO. 8.

SEWERS FOR WHICH RESOLUTIONS AND ESTIMATES HAVE BEEN PREPARED IN ORDER TO ASSESS TAX.

Name of Street.	From	To	Estimated Cost.
Abram	Clark	Buhrer	$ 275 00
Allen	Parkman	Brownell	460 00
Birch	Bridge	Lorain	1,368 50
Bridge	Waverly	Courtland	1,677 20
"	Courtland	Liberty	2,324 00
Brookfield	Hough	Euclid	1,828 00
Brunswick	St. Clair	Superior	1,591 00
Burwell	Case	Forest	1,582 00
Calvert	Cedar	Garden	677 00
Cherry	Perry	westerly	250 50
Church	State	Duane	495 50
Crawford	Hough	Genesee	2,449 00
Dare	Franklin	Bridge	2,055 00
Dix	East Madison	westerly	427 00
East Prospect	Schiely Court	150 feet west of Morse	8,734 00
"	East Madison	200 feet west of Watkins	503 50

TABLE NO. 8.—*Continued.*

Name of Street.	From	To	Estimated Cost.
East Prospect	Lincoln	Bolton	$ 1,256 00
Emmet	Alley.	Jefferson	1,000 00
Fairmount	Euclid	Fairmount Place	403 00
First ave	Woodland	Outhwaite	443 00
"	Outhwaite	Scovill	423 50
Fowler	Broadway	Sawtell	1,154 00
Genesee ave	Wade Park	Hough	5,327 00
Giddings ave	Quincy	Woodland	3,439 00
"	Lexington	Euclid	5,175 00
Glendale ave	Cedar	southerly	610 00
Green	Monroe	Lorain	2,031 00
Greenwood	Sibley	Cedar	153 00
Harbor	Bridge	Lorain	361 00
Harkness ave	Lamont.	Euclid	4,431 00
Herschel and South	Cuyahoga River	400 feet west of South street	950 00
Hough ave	Giddings	westerly	350 00
Jennings ave	Clark	Brainard	3,037 00
John	Randall	Woodbine	468 00
Lamont	Hough	Republic	4,288 00

TABLE NO. 8.—*Continued.*

Name of Street.	From	To	Estimated Cost.
Liberty	Bridge	Lorain	$ 1,038 50
Logan ave	Lamont	Euclid	3,775 00
Luther	Willson	Norwood	3,384 00
Marcy ave	Wade Park	Hough	5,537 00
McLean	Chatham	Lorain	881 50
Newell	Mentor	Castle	380 00
Oliver	St. Clair	Superior	562 00
Outhwaite	Florence	Willson	1,542 00
"	"	Dike	288 00
Payne ave	Huntington	Handy	475 00
Pine	Sterling	Greenwood	388 00
Quimby ave	Giddings	westerly	350 00
Republic	Lamont	Euclid	3,547 00
Sawtell ave	Woodland	Picnic	5,135 00
Scranton ave	Willey	Parafine	326 00
Star ave	East Madison	Seedle	4,820 00
St. Clair	"	Ansel	31,163 00
Swiss	Walworth Run	C., C., C. & I. Ry. tracks	824 00
"	Clark ave	Train	1,555 00

TABLE NO. 8.—*Continued.*

Name of Street.	From	To	Estimated Cost.
Superior	East Madison	Ansel	$ 31,797 00
Tilden ave	Crawford	Euclid	1,705 80
Townsend	East Madison	Edwards	537 00
Union	Broadway	easterly	3,220 00
University	Pelton	South	14,578 00
Vega ave	Pearl	Rhodes	5,099 00
Wade Park ave	East Madison	Marcy	17,475 60
Washington	Pearl	State	2,814 00
West Clinton	Waverly	Gordon	1,855 00
Wellesley Place	Sawtell	westerly	325 00
Total			$ 207,374 10

TABLE NO. 9.

SEWER PLANS MADE DURING 1889.

Name of Street.	From	To	Length in Feet.
Allen	Parkman	Brownell	650
Beacon	Genesee	Marcy	770
Beck	Case	easterly	400
Birch	Bridge	Lorain	1,100
Bridge	Liberty	Waverly	1,700
Brookfield	Hough	Euclid	2,150
Brunswick	St. Clair	Superior	1,250
Burwell	Case	Forest	1,050
Cherry	Perry	westerly	600
Church	State	Duane	600
Commonwealth	Stanley	Beacon	2,200
Commmodore	Superior	Payne	800
Crawford	Hough	Genesee	1,700
Dare	Franklin	Bridge	1,200
Dix	East Madison	westerly	550
East Prospect	Schiely Court	easterly	4,100
"	East Madison	westerly	

TABLE NO. 9.—*Continued.*

Name of Street.	From	To	Length in Feet.
East Prospect	Lincoln	Bolton	1,350
Emmet	Alley	Jefferson	800
Fairmount	Euclid	Edwards Place	800
First ave	Woodland	Scovill	1,300
Fowler	Broadway	Sawtell	1,100
Frank	Doan	Fairmount	1,500
Genesee ave	Wade Park	Hough	2,300
Giddings ave	Lexington	Euclid	2,400
Glendale ave	Cedar	southerly	700
Greenwood	Sibley	Cedar	300
Handy	Payne	Euclid	1,300
Harbor	Bridge	Lorain	500
Harkness ave	Hough	Euclid	2,400
Herschel	South	westerly	1,300
Hodge ave	St. Clair	Superior	3,400
Holt	Hough	Lamont	650
Hough ave	Giddings	westerly	800
Hunter	Broadway	northerly	1,200
Irvington	Cedar	Garden	1,510

TABLE NO. 9.—*Continued.*

Name of Street.	From	To	Length in Feet.
Jersey	Monroe	Lorain	1,200
John	Randall	Kentucky	1,000
Kensington	Hough	Euclid	1,400
Lamont	Holt	Republic	1,250
Liberty	Bridge	Lorain	900
Logan ave	Lamont	Euclid	1,800
Luther	Willson	Norwood	1,650
Marcy ave	Wade Park	Hough	2,300
Meyer ave	Pearl	Scranton	500
Newell	Mentor	Castle	550
North Place	Garden	northerly	500
Oliver	St. Clair	Superior	700
Outhwaite ave	Dike	Willson	1,900
Payne ave	Huntington	Handy	300
Pine	Sterling	Greenwood	450
Quimby	Dunham	Giddings	1,300
Quincy	E. Madison	Oakdale	3,200
Republic	Lamont	Euclid	1,800
Ruskin	St. Clair	northerly	950

TABLE NO. 9.—*Continued.*

Name of Street.	From	To	Length in Feet.
Scranton ave	Willey	Parafine	400
Seneca	Canal	Cuyahoga River	200
South	Cuyahoga River	Herschel	1,200
Stanley ave	Genesee	Marcy	800
St. Clair	E. Madison	Ansel	4,360
Superior	Dunham ave	"	6,000
Swiss	Clark	Walworth Run	1,700
Tilden ave	Crawford	Euclid	1,350
Townsend	E. Madison	Edwards	650
Union	Broadway	Macedonia	3,000
University	Pelton	Starkweather	3,400
Van Ness ave	Stanley	Beacon	2,200
Vega ave	Pearl	Rhodes	2,300
Wade Park ave	E. Madison	Marcy	2,600
Washington	Pearl	State	1,100
Wellesley Place	Sawtell	westerly	650
West Clinton	Waverly	Gordon	1,100
Wilbur	Streator	Doan	800
73 streets. $19\frac{665}{1000}$ miles.	Total number of feet		103,830

TABLE NO. 10.

SURVEYS MADE IN 1889.

Name.	From	To
Ansel Ave	Republic St	Doan St.
Bolton Ave	Quincy St	N. Woodland Ave.
Case Ave	Woodland Ave	S. L. of 10 A Lots.
Congress St.	Quincy St	N. Woodland Ave.
Croton St.	Forest St	Case Ave.
Crawford St	Tilden Ave	Hough Ave.
Giddings Ave	Hough Ave	Euclid Ave.
Gordon Ave	Lorain St	Wine St.
Hitchcock St	Vega Ave	Barber Ave.
Hough Ave	Dunham Ave	Giddings Ave.
Lorain St.	Alum St	Gordon Ave.
Mill St	Vega Ave	Barber Ave.
Pearl St	angle near Queen St	Clark Ave.
Quincy St	Congress St	Bolton Ave.
Remington Ave	"	"

TABLE NO. 10.—*Continued.*

Name.	From	To
Ridge Ave	Clark Ave	Dennison Ave.
Ravine St.	Birch St	Swiss St.
Swiss St.	Ravine St. Extended	Walworth St.
Tilden Ave	Crawford St	Euclid Ave.
Vega Ave	Pearl St	Rhodes Ave.
Woodland Ave	Forest St.	Case Ave.

Walworth Run—Location of stream, from Willey St. to Mill St.

Walworth St.—Location of buildings through Fawcett & Weitz properties.

Proposed opening of Old River Bed into Lake Erie.

Stone's Levee, at Central Way—alleged encroachment.

TABLE NO. 11.

PLATS OF SUBDIVISIONS, &c., EXAMINED AND REPORTED UPON BY THE ENGINEER AND APPROVED BY CITY COUNCIL IN 1889.

Name.	Date of Approval.
Cornell, O'Shea and Bernard's subdivision of part of original lot 47, Brooklyn Township	February 4.
Jas. M. Hoyt's dedication of a 6-foot strip for drainage in original lot 34, Brooklyn Township	February 11.
J. M. Curtiss' reallotment of part of Meyer & Curtiss' allotment in original lot 72, Brooklyn Township	February 23.
Fairmount Place dedication by Mrs. Jennie Edwards in original lot 402, East Cleveland Township	March 22.
J. M. Curtiss' reallotment of part of Nicola & Judson allotment, in original lot 72, Brooklyn Township	March 22.
Caroline Buettner's subdivision of part of original lot 324, in Newburgh Township	April 12.
The Jordan allotment of part of original lot 14, Brooklyn Township	April 29.
Dolman's resubdivision of parts of Van Vleck & Bolton subdivisions in original lots 400 and 408, East Cleveland Township	April 29.
Geo. Sell's subdivision of part of original lot 345, East Cleveland Township	April 29.
Sarah E. Washington's subdivision of part of original lot 399, East Cleveland Township	April 29.
John Rock's subdivision of part of original lot 432, Newburgh Township	May 6.
W. J. Crawford and Jas. Parmelee's subdivision of part of original lot 392, East Cleveland Township	May 6.
J. G. Bergman's allotment of sublot 17, of D. Clark's allotment in original lot 47, Brooklyn Township	May 27.
F. C. Goodman's allotment of sublots 18, 19, 20 and 21 of D. Clark's allotment in original lot 47, Brooklyn Township	May 27.
Varian subdivision of part of original lots 346 and 347, East Cleveland Township	June 10.
"Robinson Avenue dedication," &c., in original lot 383, East Cleveland Township	June 10.
C. C. Baldwin's reallotment of A. C. Armstrong's subdivision of part of original lot 431, Newburgh Township	June 17.
Peter & Frederike Diemer's subdivision of part of original lots 346 and 347, East Cleveland Township	July 1.

TABLE NO. 11.—*Continued.*

Name.	Date of Approval.
H. F. Hoppensack's second subdivision of part of original lot 326, Newburgh Township	July 22.
W. J. Crawford and Jas. Parmelee's resubdivision of part of their former subdivision in original lot 347, East Cleveland Township	July 22.
J. C. Bartlett's realletment of part of S. A. Tyler and H. Stone allotments in original lot 53, Brooklyn Township	August 12.
Martha B. Ambler's subdivision of part of original lot 411, East Cleveland Township	August 26.
T. S. Knight and Geo. W. Pack's subdivision of part of original lot 408, East Cleveland Township	August 26.
William and V. Spilker's subdivision of part of original lots 346 and 347, East Cleveland Township	September 16.
Laura L. Otis' Trustee, subdivision of part of original lot 27, Brooklyn Township	September 23.
E. T. & C. A. Lauer's subdivision of part of T. T. Seeley's subdivision of part of 10 acre lot 26	September 23.
Geo. M. Hicks' subdivision of part of original lots 387 and 388, East Cleveland Township	October 7.
W. J. Gordon's allotment of part of original lot 347, East Cleveland Township	October 7.
The Krakow subdivision, by O. M. Stafford, of part of original lots 306 and 310, Newburgh Township	October 14.
The Knowlton subdivision of part of original lot 387, East Cleveland Township	October 21.
Hugh Davidson's subdivision of part of original lots 287 and 316, Newburgh Township	October 21.
Marsh & Cody Bros., resubdivision of lot 3 and parts of 2 and 4 of Streator subdivision, original lot 401, East Cleveland Township	October 21.
H. H. Dodge's Heirs' subdivision of part of 10 acre lots 74 and 75	November 18.
L. S. Fish's subdivision of part of original lot 347, East Cleveland Township.	November 25.
H. C. Ford's allotment of part of original lot 387 and 388, East Cleveland Township	December 2.
Marsh & Cody Bros.' resubdivision of lots 6, 7, 8, and part of 5, of Streator subdivision in original lot 401, East Cleveland Township	December 2.
F. H. Jackson's resubdivision of part of N. H. Ambler's allotment in original lots 424 and 425, Newburgh Township	December 2.

TABLE NO. 12.

HOUSE NUMBERING MAPS MADE IN 1889.

Name.	From	To	Length in Feet.
Abbey St	Jennings Ave	Lorain St	3,080
Anson St	Petrie St	Dolloff St	850
Atlantic St	Kinsman St	Bessemer Ave	3,320
Atwater St	Pratt St	Miles Ave	560
Becker Ave	St. Clair St	E. Madison Ave	3,210
Bell Ave	Euclid Ave	S. end of street	3,050
Burt St	Cedar Ave.	Quebec St	1,820
Calvert St.	" "	Garden St	840
Carran St	Congress St	Oakdale St	1,530
Chestnut St	Erie St	Dodge St	2,070
Colley St	St. Stanislas St	Posen St	620
Corwin Ave	Woodland Ave	Holton St	1,170
Covington St	Woodland Hills Ave	McConnell St	780
Dorchester Ave	Hough Ave	Euclid Ave	1,410
Elm St	West River St	Ship Channel	2,300
Francis St	Willson Ave	Tod St	1,660
Giddings Ave	Superior St	Dell Ave	11,920

TABLE NO. 12.—*Continued.*

Name.	From	To	Length in Feet.
Halsey St	Cedar Ave	Wain Alley	540
Hamilton St	Ontario St	Marquette St	13,990
Harkness Ave	Marcy Ave	Euclid Ave	4,020
Harnet St	Cedar Ave	Garden St	1,680
Hazard St	Superior St	Payne Ave	720
Herald St	Woodland Ave	Vernon St	4,730
Hodge Ave	St. Clair St	Superior St	3,360
Holt St	Ansel Ave	Lamont St	4,400
Howard St	Scranton Ave	Columbus St	2,050
Ingleside Ave	Hough Ave	Euclid Ave	1,780
Lincoln Ave	Euclid Ave	Woodland Ave	5,550
Lockyear Ave	Becker Ave	Woolsey St	1,600
Marcy Ave	Superior St	Hough Ave	3,970
Miles Park St	Broadway	Miles Park	400
Mill St	Monroe St	Clark Ave	3,840
Oakwood St	Poland St	Posen St	440
Osborn St	Garden St	Woodland Ave.	2,490
Paddock Place	Outhwaite Ave	" "	580
Poland St	Fremont St	Colley St	620

TABLE NO. 12.—*Continued.*

Name.	From	To	Length in Feet.
Posen St	Oakwood St	Colley St	370
Ruggles Ave	Pratt St	Miles Ave	560
Russell Ave	Superior St	Euclid Ave	5,350
Rutland St	Kinsman St	South end	1,160
Sheriff St	Euclid Ave	Eagle St	1,860
St. Stanislas St	Fremont St	Colley St	640
Tilden Ave	Crawford St	Euclid Ave	1,350
Tioga St	Warner Road	Turney Ave	1,030
Trumbull St	Davies St	South end	2,600
Union St	Broadway	City limits	8,550
Warren St	Forest St	Martin St	1,600
Weimer St	Kenyon St	Fleet St	1,820
West Center St	Cuyahoga River	Ship Channel	2,470
No. miles, 23.92.	Total		126,310

TABLE NO. 13.

LIST OF FRONTAGE AND OWNERSHIP MAPS MADE IN 1889.

Name.	From	To	Length in Feet.
Ash St	Clark Ave	Train St	780
Baden Ave	Garden St	Quincy	490
Birch St	Franklin	Lorain	2,360
Blaine St	Crawford	Marcy	1,350
Bolton Ave	Euclid	Hough	2,270
Bond St	Superior	Summit	1,680
Branch Ave	Jennings	Merchant	510
Brookfield St	Euclid	Hough	2,140
Brunswick	Superior	St. Clair	1,210
Buhrer Ave	Jennings	Merchant	900
Burton St	Newark	Storer	1,570
Case Ave	St. Clair	Superior	980
Church St	State	Duane	580
Cobleigh St	Willson	East end	350
Courtland St	Franklin	Lorain	2,480
Crawford St	Hough	Wade Park	2,770

TABLE NO. 13.—*Continued.*

Name.	From	To	Length in Feet.
Czar St	Broadway	Colorado	970
Dart St	Wasson	Case	640
Detroit St	Kentucky	Old City Lim	3,530
Dexter Place	Clinton	Franklin Cir	370
Dike St	Quincy	Outhwaite	1,260
East Madison	Euclid	Cedar	1,260
" "	"	Hough	1,920
" "	Woodland	Kinsman	4,050
" "	Kinsman	Holton	1,850
Emerald Al	Muirson	Dodge	1,490
Erie St	Lake	Summit	250
First Ave	Quincy	Woodland	1,910
Forest St	Cedar	Garden	960
Gary St	E. Madison	Ingleside	700
Giddings Ave.	Hough	Beecher	1,350
" "	"	Euclid	1,520
Gilbert St	Clark	Storer	2,600
Glass Ave	Lyon	Gold	700
Granger	Prospect	Garden	1,000

TABLE NO. 13.—*Continued.*

Name.	From	To	Length in Feet.
Hanover St	Detroit	Washington	430
Harbor St	Franklin	S. L. Woodbine	470
Hoadley St	Superior	Mason	2,960
Holt St	Hough	Crawford	1,660
Holton St	E. Madison	Woodland Hills	3 940
Home St	"	W. End	520
Hunter St	Broadway	912 feet N	910
Huron St	Sheriff	Erie	1,080
Jennings Ave	Cent. Viaduct	Brainard	6,700
Jessie St	Cedar	Garden	1,520
Jewett St	Petrie	W. End	1,680
Lees Court	Woodland	N. End	400
Lexington Ave	Giddings	Dunham	1,280
Liberty St	Bridge	Lorain	900
"	Franklin	"	2,320
Linden St	Scovill	Garden	1,000
Lorain St	Ridge Ave	Geib St	1,490
Maple St	Garden	Scovill	950
Minerva St	Hough	N. End	660

TABLE NO. 13.—*Continued.*

Name.	From	To	Length in Feet.
Morse Ave	Euclid	E. Prospect	790
Muirson St	Superior	St. Clair	660
"	"	Euclid	1,040
Miles Park	St. W. of		560
Noyes St	Branch	Clark	1,780
Oakdale St	N. Woodland	Steinway	1,160
Ohio St	Erie St	Brownell	1,160
Outhwaite Ave	Willson	Cemetery	1,900
" "	"	Kennard	1,150
Payne Ave	Superior	Muirson	200
Platt St	E. Madison	Lincoln	970
Princeton St	Hough	Linwood	910
Prospect St	Case Ave	Willson	1,560
Randall St	Harbor	Lorain	1,550
Rockwell St	Wood	Erie	1,010
Root St	Franklin	Lorain	2,280
Root St	Bridge	"	750
Rosedale Ave	Superior	Euclid	4,550
Rutland St	Kinsman	1,100 feet S	1,140

TABLE NO. 13.—*Continued.*

Name.	From	To	Length in Feet.
Sawtell Ave	Woodland	Julia	1,970
Sackett St	Pearl	Rhodes	2,490
Scovill Ave	Willson	Cemetery	1,900
Seelye Ave	Woodland	Julia	1,920
Selden Ave	Clark	Storer	2,550
Seneca St	Lake	St. Clair	620
Sherman St	Lessing	E. Madison	1,380
Sheridan St	Francis	Roland	1,770
Sibley St	Case	Kennard	620
Slater Ave	Quincy	Woodland	1,900
Stanton St	Giddings	E. Madison	1,590
Stark Ave	Cedar	Fairmount	550
State St	Detroit	Washington	420
Swiss St	Lorain	Clark	2,620
Taylor St	Detroit	N. End	1,460
"	Franklin	Washington	1,070
Tennyson St	Woodland	Evarts	790
Trumbull St	Davies	Forest	530
Vermont St	Hanover	State	480

TABLE NO. 13.—*Continued.*

Name.	From	To	Length in Feet.
Waverley St	Detroit	Lake Erie	2,550
Wilcox St	Fullerton	Canton	710
Willson Ave	Woodland	Julia	1,840
Wood St	St. Clair	Summit	970
Woodbine St	Harbor	Fulton	1,700
Woodland Hills	Fairmount	Quincy	1,850
98 streets=$27\frac{1}{10}$ miles.	Total		142,990

TABLE NO. 14.

CROSS-SECTIONED OR LEVELED DURING 1889.

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Ackley Ave	Broadway	Fleet		2,829
" "	210 ft. S. of Broadway	560 ft. S. of Broadway		350
" "	210 ft. S. of Broadway	560 ft. S. of Broadway		350
Alley	Between Davies and	Forest		1,344
"	Hartford and	Milford	1,734	
Alexander	Bower	Maurice		1,020
Arkansas	Gilbert	Hamburg	305	
Ash	Clark	Train		767
Ashton	Ivy	End	733	
Andes Alley	Ohio	End		1,592
Addison	White	End		592
Albany	Wood	Kent		200
"A."	B	End		819
Avon	Huron	Bolivar		398
Ashley Alley	Huron	Bolivar		398
Alley	Avon	Ashley		123
Austin Alley	Waller	Miami		314

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Baden	Quincy	Garden		968
Berry	Bridge	West End	673	
Blaine	Crawford	Marcy		1,352
Bolton Ave	Euclid	Cedar		1,262
Bridge	Pearl	Gordon		7,440
Brinsmade	Ridge	West End	990	
Brookfield	700 ft. Northerly			700
Bliss	Becker	St. Clair	1,643	
Barker	Sheridan	Alexander	450	
Bower	Willson	Sheridan	791	
Bennett	Crawford	Holt		549
Bolton Ave	Hough	Euclid		2,268
Birch	Franklin	Lorain		2,362
Baker	White	End		596
Bethel Alley	New Alley	Canfield		1,030
Bethesda	Lake	St. Clair		566
Beacon	Davis	Myrtle		569
Boston	Gallup	Regent		411
Brainard	Jennings Ave	Scranton Ave		1,797

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Buhrer Ave	Jennings Ave	Merchant Ave		897
Brunswick	Superior	St. Clair		1,203
Canal	Champlain	Michigan		734
Catharine	Milford	Gauge		463
Cedar Ave	Perry	Willson Ave		6,042
Champlain	S. Water	Canal		256
Church	State	Duane		573
Columbus	S. L. Franklin	800 ft. northerly	800	
Courtland	Franklin Ave	Bridge		1,009
Clark Ave	Pearl	Jennings Ave	2,256	
Crawford	Genesee Ave	Hough Ave	1,650	
Curtiss Ave	Dunham	End	454	
Cobleigh	Willson Ave	End		355
Clifton	St. Clair	Kelly		3,054
Clover	East View	Scranton Ave		881
Covington	McConnell	Woodland Hills Ave		786
Clara	White Ave	End		600
Clinton Park, west side	Lake	Davenport		200
Clinton Park, east side	Lake	Davenport		200

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Charter	Gallup	Regent		386
Consul	Gallup.	Wheatland		840
Carroll	Pearl	York		596
Carton	Woodland Hills Ave	End of street		1,019
Cherry Alley	West end Cherry St	End		628
Dower St	Scranton Ave	East View		901
Ditton	Rowley	End		265
Dent	White Ave	End		602
Douglass	Payne Ave	End		775
Davis Ct	Sawtell Ave	End		846
Dare	Bridge	Lorain		1,197
Dearborne	Ridge Ave	East end	638	
Dyke	Quincy	Outhwaite		1,229
Dunham Ave	Euclid Ave	Superior	5,146	
Elizabeth	Woodland Hills Ave	End		1,932
East View Ave	Brainard	Valentine		937
Erie	Lake	N. curb line Summit		301
Elton	Ridge Ave	East end		765
Euclid Ave	Willson Ave	Bolton Ave	7,401	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Everett	Payne Ave	Perkins Ave		1,043
Essex	Milford	Gauge		455
Ezra	Barker	Bower		1,920
Fairmount Place	Doan	Fairmount		543
Florence	Scovill Ave	Quincy		571
Forest	Cedar Ave	Garden		961
Frederick	Oakdale	Congress		1,509
Fuller	Woodland Hills Ave	Ice Pond		1,100
Garden Ct	Garden	North end		252
Garden Pl	Garden	North end		300
Geauga	Svoboda	Broadway		227
Genesee Ave	Hough Ave	Wade Park Ave.		2,351
Giddings Ave	Hough Ave	Beecher		1,352
Gilbert	Clark Ave	Storer Ave		2,615
Gilbert Pl	Gilbert St	W. end		310
Glass	Lyon	E. L. Gold		700
Grand Ave	518 ft. across C. & P. R. R.			518
Gordon Ct	Gordon Ave	West end	239	
Gates Ave	Covington	Bedford Road	660	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Garfield Ave	Warren Road	Turney	1,489	
Gauge	Fruit	Storer Ave		1,869
Goulding Ave	N. Woodland Ave	Woodland Ave		461
Halle	Ridge Ave	West end	1,108	
Harkness	Hough Ave	Marcy		1,564
Harlem	Kirtland	Willson Ave	779	
Herschel	South	Jefferson	1,050	
Hickory	Division	Old River		720
Holton Ave	E. Madison Ave	C. & P. R. R.	1.478	
Holton Ave	C. & P. R. R.	400 ft. easterly		400
Howe	Ridge Ave.	W. end	910	
Howard	Columbus	C., C., C. & I. R'y		352
Huron	Sheriff	Erie		1,079
Holt	Hough Ave	End	900	
Huss.	Ackley	End	440	
Hand	Maplewood	Ashton	209	
Hubbard	Tod	End	1,427	
Hyde	Gauge	Burton		814
Hecker	Becker Ave	E. Madison Ave		576

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Hanover	Detroit	Washington		496
Home	E. Madison	Ingleside		700
Harmon	Scovill Ave	Garden		506
Hoadley	Superior	Mason		2,940
Holyoke Place	Sawtell Ave	End		892
Hoyte Ave	St. Clair	Lake Erie		3,000
Hodge Ave	Superior	St. Clair		3,346
Homer	Brunswick	Willson Ave		671
Ivy	Homewood	Groton	998	
Jewett	W. L. Colorado	668 feet westerly		668
Jewett	Petrie	End		1,694
Jennings	Abbey	Brainard		6,668
Keen Alley	Pearl	Penn		1,641
Kenyon	Ackley	Tod	950	
Kirk	Hough Ave	Curtiss	528	
Kenmore	Crawford	Marcy		1,163
Kent	St. Clair	Lake		614
Liberty	Franklin Ave	Detroit		720
Luther	Willson Ave	Norwood	1,590	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Lorain	Waverley Ave	Ridge Ave		2,864
Lewis	St. Clair	Bliss	1,264	
Lamont	Logan to	Break of Bank	636	
Linton	Ackley	End	854	
Lucia	Edwards	E. Madison	623	
Lilac	Ivy	Morgan	780	
Logan Ave	Euclid Ave	Cedar Ave		1,386
Lees Ct	Woodland Ave	End		400
Lexington Ave	Dunham Ave	Giddings Ave		1,285
Lessing	Quincy	Sherman		293
Linden	Scovill Ave	Garden		1,005
Lane	Rowley	Brainard		997
Liberty	Bridge	Lorain		900
Lockyear	Becker	Robinson		1,600
Mayfield	Euclid	648 ft. easterly		648
Maurice	Ezra	Willson Ave		504
Mehling Lane	Milford	West end		200
Merrill	Gilbert	West end	307	
Minerva	Hough Ave	North end	656	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Mitchell	Ridge Ave	West end	829	
Montana	Gilbert	West end		305
Maplewood	Morgan	Ivy	901	
Mound	Ackley Ave	Fence Line	1,308	
Mayfield Road	Euclid	4,300 ft. east	4,300	
Malden	St. Clair	End		2,520
McLean	Carroll	Lorain		394
May	Rowley	End		265
Marion	Perry	Greenwood		1,453
Myrtle Ct	Sawtell	End		735
Miami Alley	Bolivar	Huron		400
Meridan	Marcy	Crawford		932
Newell	Branch	Rowley		2,240
N. Miles Park	Sawyer	Woodland Hills		509
Nevada	Bolton	Oakdale		734
Newark	Selden	Rhodes		2,076
North	Pearl	Hanover		604
North Place	Garden	North end		339
Nelson	Woodland Hills Ave	Roland	1,942	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Ohio	Ontario	Central Way	1,051	
Old River	Center	Hickory	535	
Old River	E. L. Water Works Lot	W. L. Water Works Lot		428
Ontario	Prospect	N. L. Market House		2,119
Outhwaite	Willson Ave	Cemetery		1,903
Olive	Euclid	Hough		1,376
Odell Alley	Orange	Broadway		315
O'Connor	Euclid	Superior		4,553
Ovington	Regent	Tod		772
Ohio	Erie	Brownell		1,162
Pacific	Gilbert	Hamburg		305
Percival	Superior	St. Clair		1,185
Pond	Columbus	C., C., C. & I. R. R.		391
Prince	Ridge Ave	East end	570	
Princeton	Hough	Linwood		913
Porter	Bessemer	End	902	
Peck	Becker	St. Clair	824	
Prosser	Willson	Lyon		756
Randall	Lorain	Harbor		1,553

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Root	Bridge	Lorain		750
Root	Bridge	Franklin		1,470
Rockwell	Wood	Erie		1,113
Ranney	St. Clair	Bliss	1,092	
Rutland	Kinsman	S. line of Creet		1,152
Roskof Alley	Cherry	Perry		711
Robinson Ave	Superior	End		1,072
Remington St	Congress	Bolton		720
Seneca	Bridge	southerly		177
Shaw	Ridge Ave	East end	440	
South	Dock Line	westerly	1,060	
Storer Place	Storer Ave	Gilbert Place		575
Svoboda	Forest	East end		724
Swiss	Clark Ave	Lorain		2,621
Salem	Wheatland	Homewood	250	
State	Detroit	Washington		493
Smiley Ave	Superior	Star		319
Seelye Ave	Woodland	Julia		1,916
Sherman	Lessing	E. Madison		1,313

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Seedle Ave	Superior	Wade Park Ave		1,431
Sawtell Ct	Sawtell	End		304
Schafer	Becker	E. Madison		811
Spencer	Willson	Brunswick		488
Stanard	Willson	Brunswick		881
Trent	Selden	Gauge		264
Trumbull	Davies	Forest		544
Troy	Temple	Morgan	150	
Temple	Homewood	Troy	525	
Talbot	Holt	Ansel		610
Taylor	Franklin	Washington		1,067
Taylor	Second Ave	Hermann		271
Tioga	Turney	Warner Road		1,127
Valentine	Scranton	Jennings		1,140
Washington	State	Kentucky	1,218	
Wellesley Place	Sawtell	West end		616
Wentworth	Ridge Ave	East end	684	
Wheaton	Ridge Ave	West end	753	
Wheatland	Union	Salem	890	

TABLE NO. 14.—*Continued.*

Name of Street or Avenue.	From	To	Length in Feet. Levels.	Length in Feet. C. S.
Waterbury	Tioga	Garfield	438	.....
Woodbine	Fulton	Harbor	.....	1,729
Woodland Hills Ave.	Fairmount	Quincy	.....	1,840
Wilcox	Canton	Fullerton	.....	713
Wheatland	Union	Salem	.....	890
		Totals	66,201 $=12\frac{54}{100}$ miles.	186,490 $=35\frac{395}{1000}$ miles.

35.3 miles of Cross-section. 12.54 miles of Levels. Total, 47.84 miles.

TABLE NO. 15.

GRADES ESTABLISHED.

Street.	From	To	Length in Feet.	When Established. 1890.
Alley, east of Davies st. and north from	Broadway		1,344	September 23.
Andes alley	Ohio	422 ft. east of Cross	1,592	August 5.
Bismark	Woodland ave	Holton	1,411	February 1.
Brough			1,225	" 1.
Bragdon	Hartford	Milford	415	" 1.
Brunswick	St. Clair	Superior	1,203	May 13.
Baden	Garden	Quincy	968	" 13.
Blaine	Crawford	Marcy	1,352	July 29.
Bolton	Hough	Euclid	2,268	August 5.
Cottage	Aetna	Marble	1,256	" 10.
Cobleigh	Willson	East end	355	July 29.
Edgewood	"	Drake	1,127	March 18.
Essex	Milford	Gauge	455	April 5.
E. Madison	Woodland	Kinsman	4,035	" 29.
Gary	East Madison	Ingleside	708	March 8.
Grace	Ridge	Geib	1,351	February 1.
Gilbert	Clark	Storer	2,613	May 13.

TABLE NO. 15.—*Continued.*

Street.	From	To	Length in Feet.	When Established. 1889.
Glass ave	Lyon	Gold	702	May 13.
Geauga	Broadway	Svoboda	227	July 15.
Harmon	Garden	Scovill	506	June 3.
Home	E. Madison	West end	533	May 27.
Hoadley	Superior	Payne	1,513	July 22.
Harkness ave	Hough	Marcy	1,564	August 19.
Jennings ave	Holmden	Brainard	360	June 10.
"	Abbey	Holmden	6,370	" 17.
Luther	Willson	Norwood	1,590	April 12.
Lees Court	Woodland	North end	398	July 15.
Lessing	Quincy	Sherman	292	" 29.
Lyman	Superior	Payne	1,360	August 5.
Marion	Perry	Greenwood	1,453	November 11.
Minerva	Hough	Stanley	1,716	April 12.
Newell	Branch	Rowley	2,240	July 29.
Oakley	Milford	Hartford	416	April 5.
O'Connor	Superior	Euclid	4,553	September 23.
Olive	Hough	"	1,376	May 13.
Percival	St. Clair	Superior	1,185	July 15.

TABLE NO. 15.—*Continued.*

Street.	From	To	Length in Feet.	When Established. 1889.
Princeton	Hough	Linwood	913	April 12.
Rockwell	Wood	Erie	1,013	August 19.
Sherman	Lessing	West end	1,163	July 29.
Sheridan	Carpenter	495 ft. south of Rowland	2,635	August 5.
Stark ave	Cedar	Fairmount	545	February 1.
Svoboda	Forest	Geauga	599	July 15.
Selden ave	Hyde	Storer	1,260	April 12.
Trumbull	Davies	Forest	544	May 20.
Washington	Center	Pearl	1,161	February 8.
Wallingford Ct	Woodland	Burwell	734	March 22.
Wheatland	Union	Salem	890	December 30.
Total, 47 streets.		Total	62,539	$=11\frac{84}{100}$ miles.

TABLE NO. 16.

SIDEWALK GRADES GIVEN IN 1889.

	Length in feet.
Atlantic St	4,070
Ash St	1,554
Beckwith Ave.	2,148
Brunswick St	2,400
Brainard St	3,580
Brayton St	1,964
Burton St	530
Corwin St	2,320
Czar St	2,000
Cumberland St	2,290
China St	900
Dibble Ave	3,200
Edwards St	3,760
Ezra St	2,980
East Madison Ave	800
Forman St	2,520
Garden St	200
Hollister St	2,210
Harmon St	480
Hoadley St	2,680
Harlem St	1,560
Howlett St	1,620
Hamilton St	3,400
Jewett St	2,320
Lexington Ave	1,680
Lyman St	2,744
Lucia St	1,246
Lake St	6,460
Margaret St	1,560
McHenry St	2,834
Marquette St	1,400
Mayfield St	650
Marapoea Place	500
Mentor and Noyes	400
Newell St	1,900

TABLE NO. 16.—*Continued.*

	Length in Feet.
Oakdale St	2,187
Petrie St	1,650
Public Sq	254
Quincy St	5,600
Quimby St	950
Rawlings Ave	1,764
Russell Ave	830
Streator Ave	2,118
Tod St	14,200
Wallingford Court	520
Washington St	450
Total number of feet	103,383
Total number of miles	19.58

TABLE NO. 17.

STREETS OPENED AND GRADED OR OTHERWISE IMPROVED BY THE PROPRIETORS OF NEW ALLOTMENTS DURING 1889.

Street.	From	To	Allotment.	For Record.	Length. Feet.
Alley 15 feet	Peck Ave	Becker Pl	L. S. Fish	November 27	100
" 15 feet	Knowlton St	Itasca St	Knowlton	October 23	265
" 20 feet	Krakow St	City limits	Krakow's	" 14	137
" 16 feet	Ruskin St	Iron Alley	W. J. Gordon	November 5	211
" 12 feet	"	westerly	"	" 5	132
Bartlett Ct	Harbor St	easterly	J. C. Bartlett	September 18	376
Becker Pl	St. Clair St	Becker Ave	L. S. Fish	November 27	748
Beulah St	O'Connor St	City limits	G. M. Hicks	October 8	669
Bishop Pl	O'Shea St	northerly	Cornell, O'Shea & Bernard	April 11	100
Blue Rock Pl	Caswell St	Cozad Ave	M. B. Ambler	September 2	362
Buettner Ct	Broadway	southerly	Caroline Buettner	May 14	419
Caswell St	Cedar Ave	E. Highland St	M. B. Ambler	September 12	418
Cozad Ave	" "	"	"	" 12	478
Diemer St	St. Clair St	northerly	Diemer's	July 2	644
Dodge Ct	Chestnut St	E. L. 10 acre Lot 75	H. H. Dodge's Heirs	November 26	491
Edgar St	E. Madison Ave	Diemer St	Diemer's	July 2	407

TABLE NO. 17.—*Continued.*

Street.	From	To	Allotment.	For Record.	Length. Feet.
E. Highland, S. half	Caswell St	Cozad Ave	M. B. Ambler	September 12	363
Fairmount Pl	Doan St	Fairmount St	Jane Edwards	April 29	543
Gilbert Pl	Gilbert St	westerly	F. C. Goodman and J. G. Bergman	May 28 / June 5	305
Hazard St	Superior St	Payne Ave	O. H. Payne	January 10	715
Henley St	Lorain St	Dennison St	Jordan's	May 10	597
Hoppensack St	Tod St	Justus St	Hoppensack	July 25	510
Iron Alley, to widen 6 ft	St. Clair St	westerly to Alley	W. J. Gordon	October 7	744
Itasca St	O'Connor St	" " "	Knowlton	" 23	578
Justus St	W. and southerly from	Hoppensack St	Hoppensack	July 25	245
Kelton St	Rosedale Ave	City limits	H. C. Ford	December 3	664
Kenmore St	Marcy Ave	Crawford St	W. J. Crawford	May 7	1,156
Knowlton St	O'Connor St	westerly	Knowlton	October 23	575
Krakow St	Brecksville Rd	"	Krakow's	" 18	653
Leroy St	Alpine St	Ambler Ave	F. H. Jackson	December 19	320
Light St	St. Clair St	Varian St	Varian	June 13	607
Logan Ct	Logan Ave	easterly	Marsh & Cody Bros	October 23	299
Meridian St	Marcy Ave	Crawford St	W. J. Crawford	May 7	929
Moulton St	Rosedale Ave	City limits	H. C. Ford	December 3	664
Niagara St	Kinsman St	Harris Ave	John Rock	May 8	603

TABLE NO. 17.—*Continued.*

Street.	From	To	Allotment.	For Record.	Length. Feet.
O'Shea Ct.	Milford St.	easterly	Cornell, O'Shea & Bernard	April 11	332
Porter St.	Hoppensack St.	southerly	Hoppensack	July 25	890
Robinson St.	To widen from	$35\frac{5}{12}$ ft. to 44 ft.	Robinson Ave., Ded.	June 15	1,075
Ruskin St.	St. Clair St.	northerly	W. J. Gordon	November 5	905
Sebert St.	Tod St.	Ashbel St.	A. W. Morgan	January 15	596
Shaw St.	Ridge Ave.	Alley at C., C., C. & I. R'y.	L. L. Otis	September 28	440
Spilker St.	Diemer St.	E. Madison	W. & V. Spilker	" 23	457
Storer Pl.	Gilbert Pl.	Storer Ave.	F. C. Goodman	May 28	574
Strip 6 ft. wide	Lindsley St.	Brake St.	J. M. Hoyt's deed	" 19	732
Varian St.	E. Madison Ave.	Light St.	Varian	June 13	304
Wentworth St.	Ridge Ave.	Alley to C., C., C. & I. R'y.	L. L. Otis	September 28	684
Woodward Pl.	Logan Ave.	easterly	Marsh & Cody Bros.		300
Total					24,516 ft.

TABLE NO. 18.

STATEMENT OF DREDGING CUYAHOGA RIVER, SEASON 1889.

Name of Dredge.	Month.	Average Tow.	Average Face.	Number of Cubic Yards Dredged.		Number of Scow Loads.	Hours Worked.	Hours Delay.	Mean Stage Water.
		Miles.	Feet.	Mud.	Sand and Gravel.				
Dredge No. 2	April	5	2.2	2,542	.....	22	71	72	+0.2
" 2	May	7½	3.5	10,490	.....	87	214	137	+0.2
" 3	June	7½	3.6	5,725	.....	51	104	75	+0.7
" 3	July	6¾	4.	12,986	.....	138	233	81	+0.8
" 3	August	4½	2.8	2,116	.....	17	32	84	+0.8
" 3	November	4½	2.	1,300	.....	12	13	23	−0.8
" 5	May	6½	3.	7,160	.....	65	202	97	+0.2
" 5	June	7	3.3	2,792	.....	26	67	167	+0.6
" 5	July	7½	3.7	10,363	.....	91	222	142	+0.9
" 5	August	7½	4.	3,158	.....	29	68	49	+0.8
" 1	May	7½	3.7	7,421	.....	90	240	120	+0.2
" 1	June	3	3.7	7,463	.....	85	208	117	+0.7
" 1	July	3	3.6	2,578	.....	31	77	115	+0.8

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Report of Cemetery Trustees.

CLEVELAND, O., January 1, 1890.

To the Honorable City Council of Cleveland, O.:

GENTLEMEN:—I have the honor to present you herewith the Annual Report of this Board for the year ending December 31st, 1889.

Respectfully yours,

L. W. BAILEY,

Secretary.

TRUSTEES OF CEMETERIES.

W. H. BROWN, President.
J. H. MELCHER.
ROBT. GILL.
L. W. BAILEY, Secretary.

SUPERINTENDENTS OF CEMETERIES.

WOODLAND:

S. F. DRAKE.
A. H. ROEMER, Assistant.

ERIE STREET:

J. H. MILLER.

MONROE STREET:

FRED. DROEGE.

HARVARD GROVE:

J. C. PALMER.

Trustees' Report.

CLEVELAND, O., January 1, 1890.

To the Honorable City Council:

GENTLEMEN:—The undersigned, Trustees of Cemeteries, respectfully submit herewith our Annual Report for the year ending December 31st, 1889, of the business transacted by us in the management of the several Cemeteries under our control

The term of Trustee W. H. Brown expired in April last, and at the municipal election held on the first Monday in April, W. H. Brown was elected as his own successor for three years.

At the first regular meeting of the Board after said election, the following organization was perfected: W. H. Brown having again qualified, took his seat, and was elected President, and L. W. Bailey was elected Secretary.

In the perusal of the various tabulated statements prepared by the Secretary, it will appear that the policy of the Board has been to conduct all matters with economy, consistent with good management.

The attention of your Honorable Body is most respectfully called to the very bad condition of Woodland avenue east of Willson avenue, and most earnestly request that early action be taken to improve its condition, in view of the fact that so many of our citizens are conveyed to their final resting place over this thoroughfare.

The amount of five thousand seven hundred twenty-three and $\frac{96}{100}$ dollars has been expended in improvements, divided among the four city Cemeteries as follows:

WOODLAND CEMETERY received the benefit of the above amount to the extent of ($4,153.51) four thousand one hundred fifty-three and $\frac{51}{100}$ dollars in the building of a 15-inch sewer from the Receiving Vault to the main in Quincy street, with the necessary catch basins. The planting of a large number of shade trees to take the place of

the old oaks which had to be removed on account of age and decay; and in the laying out of two new sections near the Chapel, making some of the most desirable lots in the Cemetery. This became a necessity from the rapid rate in which lots have been taken within the past year; also in the adornment of the grounds with flower beds and shrubbery. Owing to the increase in work, it became necessary to purchase another horse, cart and harness. The verdict of the lot owners is that this Cemetery never looked so well, and that it never has been as well kept as during the past year.

ERIE STREET CEMETERY has received improvements to the amount of ($558.08) five hundred fifty eight and $\frac{08}{100}$ dollars in the extension of water pipe, and for trees and shrubbery.

MONROE STREET CEMETERY has been improved to the extent of ($433.88) four hundred thirty-three and $\frac{88}{100}$ dollars in the laying of a stone walk from the office to the receiving vault, and for trees, shrubbery and flowers.

HARVARD GROVE CEMETERY has received improvements to the amount of ($578.49) five hundred seventy-eight and $\frac{49}{100}$ dollars in the erection of an addition to the Superintendent's house for an office; in the erection of partition fence on the east side of the Cemetery, and for trees, shrubbery, flowers, and grading walks and drive ways.

In the amount expended for improvements in the several Cemeteries is included the purchase of stone for foundations of monuments and grave covers; also the brick used in building brick graves, together with the amount paid for labor in their construction. All this, with the profit, is included in the Receipts for Improvements.

It has not come to the knowledge of this Board that any grave in the several city Cemeteries has been disturbed by grave robbers during the past year.

Following this are the tabulated statements of the Secretary, showing the amount of business transacted; the receipts, disbursements, and interments in and for the several Cemeteries under control of this Board, all of which is respectfully submitted.

WM. H. BROWN,
R. GILL,
J. H. MELCHER.

L. W. BAILEY, *Secretary*.

Statistical Tables.

THE INTERMENTS

during the past year have been as follows:

Cemeteries.	Adults.		Minors.		Grand Total.
	Males.	Females.	Males.	Females.	
Woodland	319	314	398	320	1,351
Erie	39	50	44	40	173
Monroe	122	90	195	143	550
Harvard Grove	31	31	50	55	167
Total	511	485	687	558	2,241

Lots and grave spaces sold during the year were as follows:

Cemeteries.	No. Sold.	Amount.	*Cash.	Credit.
Woodland	617	$ 12,569 38	$ 9,870 93	$ 2,698 45
Erie	94	628 80	567 50	61 30
Monroe	248	3,025 60	2,757 60	268 00
Harvard Grove	85	1,511 00	991 13	519 87
Total	1,044	$ 17,734 78	$ 14,187 16	$ 3,547 62

*These amounts include payments on lots purchased prior to 1889, and not reported heretofore.

WOODLAND CEMETERY.

RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 482 55	$ 355 70	$ 943 48	$1,311 10	$ 863 30	$1,467 50	$ 822 65	$ 648 60	$ 960 40	$ 767 45	$ 789 70	$ 458 50
Services and vault fees	558 91	372 00	776 14	847 55	1,033 67	621 18	592 88	534 05	727 95	654 93	507 88	671 73
Total receipts	$1,041 46	$ 727 70	$1,719 62	$2,158 65	$1,896 97	$2,088 68	$1,415 53	$1,182 65	$1,688 35	$1,422 38	$1,297 58	$1,130 23

EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll	$ 605 85	$ 664 45	$ 655 80	$ 939 69	$1,354 21	$1,197 79	$1,230 94	$1,112 74	$1,013 18	$ 975 98	$ 756 83	$ 740 02
Current expenses	49 39	74 93	120 79	72 21	77 23	110 65	89 80	98 39	54 42	126 97	41 29	99 06
Improvements	150 01	19 50	1,211 68	384 86	379 23	454 46	343 17	101 71	335 85	590 49	13 92	168 63
Total disbursements	$ 805 25	$ 758 88	$1,988 27	$1,396 76	$1,810 67	$1,762 90	$1,663 91	$1,312 84	$1,403 45	$1,693 44	$ 812 04	$1,007 71

ERIE STREET CEMETERY.

RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 42 50	$ 23 50	$ 67 00	$ 43 50	$ 101 00	$ 353 00	$ 37 50	$ 71 50	$ 26 00	$ 22 50	$ 49 00	$ 40 50
Services and vault fees	67 25	82 25	141 36	182 70	209 71	174 50	69 75	50 50	82 50	106 87	111 75	68 00
Total receipts	$ 109 75	$ 105 75	$ 208 36	$ 226 20	$ 310 71	$ 537 50	$ 107 25	$ 122 00	$ 108 50	$ 129 37	$ 160 75	$ 108 50

For what Purpose Expended.	EXPENDITURES.											
Pay roll	$ 132 33	$ 126 21	$ 163 13	$ 188 71	$ 211 93	$ 358 13	$ 178 96	$ 179 45	$ 205 21	$ 178 83	$ 136 96	$ 137 58
Current expenses	5 00	5 00	7 25	9 60	21 00	31 50	30 30	7 96	2 10	35 70	7 87	4 73
Improvements	.....	.....	38 40	3 15	74 40	134 39	32 00	.....	.....	397 23	.....	.....
Total disbursements	$ 137 33	$ 131 21	$ 208 78	$ 201 46	$ 307 36	$ 524 02	$ 241 26	$ 187 41	$ 207 31	$ 611 76	$ 144 83	$ 142 31

MONROE STREET CEMETERY.

RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 143 50	$ 129 00	$ 297 00	$ 217 00	$ 177 50	$ 363 00	$ 290 16	$ 261 00	$ 317 50	$ 165 00	$ 236 00	$ 161 00
Services and vault fees	132 50	69 00	250 75	198 00	281 28	174 50	161 75	302 25	247 80	168 35	211 50	187 50
Total receipts	$ 276 00	$ 198 00	$ 547 75	$ 415 00	$ 458 78	$ 537 50	$ 451 91	$ 563 25	$ 565 30	$ 333 35	$ 447 50	$ 348 50

EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll	$ 148 59	$ 132 72	$ 183 97	$ 218 04	$ 334 89	$ 358 13	$ 290 37	$ 279 71	$ 288 87	$ 240 79	$ 203 88	$ 156 33
Current expenses	4 80	2 50	15 40	61 50	39 15	31 50	38 50	14 70	10 80	12 60	5 12	8 45
Improvements	8 00	.....	4 50	.....	42 95	134 39	18 32	71 56	120 56	27 60	6 00	.....
Total disbursements	$ 161 39	$ 135 22	$ 203 87	$ 279 54	$ 416 99	$ 524 02	$ 347 19	$ 365 97	$ 370 23	$ 280 99	$ 215 00	$ 164 78

HARVARD GROVE CEMETERY.

RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 134 50	$ 94 00	$ 95 50	$ 215 00	$ 83 50	$ 58 60	$ 224 00	$ 47 00	$ 117 50	$ 175 25	$ 97 00	$ 74 88
Services and vault fees	38 75	50 00	36 50	129 90	111 75	70 00	63 25	73 25	50 25	53 50	71 25	72 25
Total receipts	$ 173 25	$ 144 00	$ 132 00	$ 344 90	$ 195 25	$ 128 60	$ 287 25	$ 120 25	$ 167 75	$ 228 75	$ 168 25	$ 147 13

EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay roll	$ 103 75	$ 82 75	$ 151 00	$ 188 50	$ 218 50	$ 202 00	$ 191 50	$ 177 25	$ 160 00	$ 158 50	$ 157 00	$ 130 75
Current expenses	19 50	5 75	18 40	.....	10 50	.....	21 00	22 89	4 00	.....	.....	5 99
Improvements	5 15	13 13	.....	.....	119 05	43 45	321 90	15 50	39 00	8 00	10 07	3 24
Total disbursements	$ 128 40	$ 101 63	$ 169 40	$ 188 50	$ 348 05	$ 245 45	$ 534 40	$ 215 64	$ 203 00	$ 166 50	$ 167 07	$ 139 98

RECAPITULATION.

Cemeteries.	Receipts.	Expended.	Excess.	Deficit.
Woodland	$ 17,769 80	$ 16,416 12	$ 1,353 68	$.....
Erie	1,941 09	2,726 96	.....	785 87
Monroe	5,142 84	3,465 19	1,677 65	.....
Harvard Grove	2,237 38	2,608 02	.....	370 64
Total	$ 27,091 11	$ 25,216 29	$ 3,031 33	$ 1,156 51

Receipts from all sources		$ 27,091 11
Total amount expended		25,216 29
Excess of receipts over expenses		$ 1,874 82
Total excess	$ 3,031 33	
Total deficit	1,156 51	
Net excess for 1889		$ 1,874 82

TREASURER'S SUMMARY.

Balance on hand January, 1889			$ 23,373 74
RECEIVED FROM SALE OF LOTS AND GRAVE SPACES.			
Woodland	$ 9,870 93		
Erie	565 00		
Monroe	2,757 66		
Harvard Grove	1,416 73		
Total		$ 14,610 32	
RECEIVED FOR SERVICES.			
Woodland	$ 7,000 62		
Erie	1,180 34		
Monroe	2,135 68		
Harvard Grove	763 40		
Total		11,080 04	
RECEIVED FOR VAULT FEES.			
Woodland	$ 898 25		
Erie	195 75		
Monroe	249 50		
Harvard Grove	57 25		
Total		1,400 75	
Total receipts			$ 27,091 11
Grand total			$ 50,464 85
AMOUNT PAID—PAY ROLL AND CURRENT EXPENSES.			
Woodland	$ 12,262 61		
Erie	2,168 88		
Monroe	3,031 31		
Harvard Grove	2,029 53		
Total		19,492 33	

TREASURER'S SUMMARY.—*Continued.*

AMOUNT PAID FOR IMPROVEMENTS.			
Woodland	$ 4,153 51		
Erie	558 08		
Monroe	433 88		
Harvard Grove	578 49		
Total		$ 5,723 96	
Total disbursements			$ 25,216 29
Balance to credit of fund January 1, 1890			$ 25,248 56

Amount to credit of fund arising from the sale of lots and grave spaces January 1, 1889	$ 23,373 74
Received during the year from the sale of lots and grave spaces	14,610 32
Total	$ 37,984 06
Amount taken from the fund arising from the sale of lots and grave spaces to pay Pay Rolls and current expenses	7,011 54
Expended for improving and embellishing the several cemeteries	5,723 96
Total	$ 12,735 50
Balance January 1, 1890, to credit of fund	25,248 56
Amount to credit of fund for general purposes January 1, 1889	
Received during the year for services and vault fees	12,480 79
Received from the fund arising from the sale of lots and grave spaces	7,011 54
Total	$ 19,492 33
Pay Rolls and current expenses during the year	19,492 33
Balance January 1, 1890, to credit of general fund	
Total amount running expenses for the year	19,492 33
Total receipts for services and vault fees for the year	12,480 79
Amount taken from the fund arising from the sale of lots and grave spaces	$ 7,011 54

The foregoing statement shows that the running expenses (other than for improvements) of the several Cemeteries are in excess of the receipts for services and vault fees, which constitute the fund from which the running expenses should be paid. It has been the custom for years past to use the fund arising from the sale of lots and grave spaces to pay the running expenses, thereby making the several Cemeteries self-sustaining. By thus using the funds the citizens have not been taxed for Cemetery purposes for about fifteen years:

The table below will show the excess of running expenses over receipts (applicable for the purpose) of the several Cemeteries for the past year:

For Woodland	$ 4,363 74
For Erie	792 79
For Monroe	646 13
For Harvard Grove	1,208 88
Total	$ 7,011 54

L. W. BAILEY,

Secretary.

Report of the Park Commissioners.

COMMISSIONERS.

H. E. HILL, J. H. WADE, A. H. STONE.

President, ... A. H. STONE.

Secretary, ... W. H. ECKMAN.

Park Commissioners' Office, Room 26, City Hall.

C. D. KLOCK, ... Superintendent Wade Park.
TERRENCE BOYLAN, ... Tender Monumental Park.
H. BENNETT, ... Tender Lake View Park.
FRED. MENSEL, ... Tender South Side Park.
JOHN SMITH, ... Tender Franklin Circle.
PETER KEARY, ... Tender Clinton Park.
JOHN WILSON, ... Tender Miles Park.
MARTIN CURRY, ... Tender Sterling Place.

PARKS.

Wade Park,	63.5	acres.
Monumental Park,	4.44	acres.
Lake View Park,	10.415	acres.
South Side Park,	9.116	acres.
Franklin Circle,	1.414	acres.
Clinton Park,	1.981	acres.
Miles Park,	2.045	acres.
Sterling Park,	0.41	acres.
Total area,	93.321	acres.

Report of the Park Commissioners.

OFFICE OF THE PARK COMMISSIONERS,
CLEVELAND, O., January 4th, 1890.

To the Honorable City Council:

GENTLEMEN:—The receipts for Park purposes for the year ending December 31st, 1889, have exceeded the disbursements to the amount of $529.59, which, in addition to $3,000.00 placed to the credit of the fund in December, creates a balance to the credit of the fund on January 1st, inst., of $3,529.59. There are, however, outstanding bills to the amount of $1,494.90, and the $3,000.00 being a portion of the tax levy for use in 1890, the Fund has, as a matter of fact, been overdrawn to the amount of $965.31. In June the available funds had been so far reduced as to necessitate a call upon your Honorable Body, and $1,000.00 was thereupon transferred from the Market Fund.

Your Commissioners have vainly endeavored to live within their means and do justice to the charge reposed in them; their effort in this direction has resulted in an economy so closely allied to parsimony which, if persisted in, will reduce our parks to unkempt and slovenly grass plots, wholly devoid of every park feature.

Extravagance is not desirable, nor is it recommended that any large outlay should be made; but a just and wise regard for the best interests of the city and of every resident suggests an increased appropriation, to the end that these valuable properties may be kept in repair and

maintained in that condition necessary to their proper use and enjoyment.

While it is admitted that parks are essentially luxuries, created and maintained for healthful recreation, and that communities might dispense with them entirely, yet experience has shown beyond controversy that they are, when wisely located and well kept, profitable investments; this has been shown to be the case in New York, Boston, Philadelphia and Chicago, and in our neighboring cities, Detroit and Buffalo; in each of these cities the park area is much larger and the cost of maintenance correspondingly greater than here.

It is not within the province of your Commissioners to urge or to recommend the enlargement of our park area, except as your Honorable Body may desire their views; but they regard it a duty to again call your attention to the inadequate provision made to meet the expense of maintaining our present system.

Monumental Park, located in the heart of the city, embracing a part of the three greatest and most crowded thoroughfares, is in a noticeably dilapidated, shabby and ragged condition; the walks are worn and broken to a degree which renders them dangerous in many places; the Speaker's Stand has become an unsightly and unsafe ruin; seasonable floral adornment has been abandoned and the working force has been so far reduced as to virtually destroy its efficiency. The same may be said of South Side Park, the citizens residing in its vicinity very justly complaining of the entire absence of sidewalk paving in a neighborhood where each property owner has been required to lay flagging. This is a defect which your Commissioners are powerless to remedy except as you provide the means. A sidewalk is also much needed in Summit street, within the boundaries of Lake View Park, the present gravel walk being, during the wet season, impassable. Essential repairs are called for on Franklin Circle and Clinton Park. The "Old Town Hall" in Miles Park, a landmark which the citizens of Newburgh are loathe to see removed, demolished or wholly neglected, a most substantially built structure and in an excellent state of preservation, should receive some repairs to bring it more in harmony with its park surroundings. The very small force

of employes in Wade Park, under the efficient direction of Mr. Superintendent Klock, has been constantly engaged in caring for and keeping in repair the roads, walks, bridges, water courses and lawns, and the apparent neglect of some portions of the grounds is wholly attributable to a lack of means to employ a force of workmen sufficient to accomplish all the labor required. The constantly increasing throngs of visitors attest the great popularity of this the finest of our parks, and it would seem that this practical expression of public appreciation should be responded to by a liberal expenditure for its maintenance and improvement. Early in the year several cages were erected and other enclosures made for animals, and there are now confined therein two black bears, two catamounts or wild cats, a family of coons, a pair of foxes, and a colony of prairie dogs. So great an attraction has this been from the outset, that it has been determined to enlarge the collection, and there is now in course of construction an octagon building, sixty feet in diameter, intended for the smaller and more delicate animals, monkies and birds. The building will be ready for occupancy in the Spring. It is believed that the public will approve and it is hoped that your Honorable Body will provide funds for the development of the undertaking not merely as an attraction but as a practical and instructive object lesson in zoölogy. For the better accommodation of pedestrians a number of foot-paths will be laid out during the year and work upon the drives will be continued to the extent of the means set apart for improvements in this park.

The park employes have, without an exception, been faithful and conscientious to their trust and in the discharge of their duties, and are in no degree responsible for the failure to keep the grounds at all times in perfect condition.

Respectfully submitted,

A. H. STONE,

President Park Commissioners.

Secretary's Report.

OFFICE OF THE PARK COMMISSIONERS,
CLEVELAND, OHIO, January 2nd, 1890.

To the Honorable Commissioners:

GENTLEMEN: The following is an exhibit of the receipts and disbursements of the Park department for the year ending December 31st, 1889.

RECEIPTS.

Balance on hand January 1st, 1889	$ 3,089 16	
Tax Levy	17,976 86	
Miscellaneous Sources	1,201 25	
		$ 22,267 27

DISBURSEMENTS.

Salaries and Labor	$11,763 55	
Permanent Improvement	5,772 01	
Maintenance	1,202 12	
		$ 18,737 68
Balance on hand January 1st, 1890		$ 3,529 59

The disbursements made during the year were distributed as follows:

	Salaries and Labor.	Permanent Improve't.	Maintenance.	Totals.
General Office	$ 500 04	$	$ 32 00	$ 532 04
Wade Park	5,436 94	5,604 45	632 02	11,673 41
Monumental Park	1,472 80	.....	318 12	1,790 92
Lake View Park	1,877 17	.....	47 63	1,924 80
Clinton Park	755 70	.....	39 65	795 35
Sterling Place	180 00	.....	1 25	181 25
Miles Park	180 00	.....	71 52	251 52
South Side Park	689 50	167 56	58 93	915 99
Franklin Circle	671 40	.....	1 00	672 40
Total	$11,763 55	$ 5,772 01	$ 1,202 12	$ 18,737 68

Respectfully submitted,

W. H. ECKMAN,

Secretary.

REPORT OF THE SUPERINTENDENT OF WADE PARK.

CLEVELAND, O., January 3, 1890.

To the Honorable Commissioners:

GENTLEMEN:—I herewith submit report of improvements made and work done on Wade Park during the year ending December 31st, 1889:

Planted 16 trees and transplanted 46 shrubs; laid 549 yards sod; put 1,500 yards gravel on roads; built 1 wooden bridge, replanked 1 bridge and raised 1 bridge over Doan Brook; moved during Summer 7,400 yards of soil, sand and clay; built 1,720 feet of new road; laid 3,440 feet of edging; built 10 new catch-basins; laid 350 feet of 9 inch sewer pipe, 276 feet of 6 inch sewer pipe, 400 feet of 4 inch drain tile; laid 3,168 feet of flagging on Euclid avenue; made the excavation for an octagon house and all necessary mason work for same; built 6 animal cages; erected one iron bridge 136 feet long, 20 feet wide.

Respectfully,

C. D. KLOCK,

Superintendent.

Report of Police Court.

Report of Police Court.

To the Honorable City Council:

Annual Report of the proceedings of the Police Court of the City of Cleveland for the year ending December 31st, 1889:

NUMBER OF PERSONS ARRAIGNED.

In City cases	7,734	
In State cases	2,316	
In State Examinations	298	
In Cases coming from Justices' Courts	123	
Total number		10,471

NUMBER OF PERSONS COMMITTED.

In City cases—To the Workhouse	2,373	
In State cases—To the Workhouse	622	
In State cases—To the County Jail	9	
Children—To the House of Refuge and Correction	44	
Children—To the Boys' Industrial School	18	
Children—To the House of Good Shepherd	5	
Total number		3,071

COMMITMENT IN DAYS.

In City cases—To the Workhouse	14,690	
In State cases—To the Workhouse	10,587	
In State cases—To the County Jail	90	
Total number		25,367

FINES AND COSTS ASSESSED.

City cases—Amount of Fines	$21,274 00	
City cases—Amount of Costs	12,952 33	
City cases—Amount of Cash overpaid	17 47	
City cases—Amount of Cash paid for search made on Warrants	10 20	
City cases—Amount of Fines and Costs collected during the year, which were assessed in months prior to the months in which collections were made	414 19	
Total		$34,668 19
City cases—Amount paid City Treasurer	$20,129 53	
City cases—Amount of fines on commitments to Workhouse	8,860 00	
City cases—Amount of costs on commitments to Workhouse	4,133 40	
City cases—Amount of fines and costs uncollected	531 77	
City cases—Amount of costs in cases dismissed	467 14	
City cases—Amount of fines and costs pending on Petition in Error	184 25	
City cases—Amount of fines remitted by the Court	225 50	
City cases—Amount of costs in cases nolled	105 60	
City cases—Amount of costs in cases wherein Bond was forfeited	31 00	
Total		$34,668 19
Amount of Witness' and Jurors' Fees certified to the City Auditor		$1,034 50

FINES AND COSTS ASSESSED.

State cases—Amount of fines assessed	$20,321 00	
State cases—Amount of costs assessed	15,009 62	
State cases—Amount paid in cases from Justices' Courts	425 40	
State cases—Amount paid in State Examinations	89 52	
State cases—Amount of Cash overpaid	11 70	
State cases—Amount of Cash collected on Bond forfeiture	20 00	
State cases—Amount of fines and costs collected during the year which were assessed in months prior to months in which collections were made	768 58	
Total		$36,645 82
State cases—Amount paid County Treasurer	$15,473 83	
State cases—Amount of fines on commitments to Workhouse	10,018 00	
State cases—Amount of costs on commitments to Workhouse	3,783 45	
State cases—Amount of fines on commitments to County Jail	150 00	
State cases—Amount of costs on commitments to County Jail	45 84	
State cases—Amount of fines and costs uncollected	1,326 78	
State cases—Amount of costs in cases dismissed	1,924 34	
State cases—Amount of fines and costs pending on Petition in Error	2,955 83	
State cases—Amount of costs in cases nolled	337 75	
State cases—Amount of fines remitted by the Court	493 00	
State cases—Amount of costs in cases wherein Bond was forfeited	137 00	
Total		$36,645 82

STATE EXAMINATIONS.

Amount of costs in cases bound over to Common Pleas Court	$2,532 27	
Amount of costs in cases dismissed	697 45	
Amount of costs in cases nolled	52 12	
Total		$3,281 84

CASES FROM JUSTICES' COURTS.

Amount of fines and costs wherein defendants were sentenced	$ 495 85	
Amount of costs in cases dismissed	969 73	
Amount of costs in cases nolled	752 22	
Total		$2,217 80
Amount of Witness' and Jurors' Fees certified to County Auditor		$8,928 25

DISTRIBUTION OF FINES AND COSTS COLLECTED.

City cases—To Police Court Fund	$14,826 91	
City cases—To Board of Police for service of Writs	3,181 62	
City cases—Police Pension Fund (Officers' Fees)	2,121 00	
Total		$20,129 53
State cases—To Cuyahoga County	$13,035 02	
State cases—To Board of Police for service of Writs	1,825 81	
State cases—To Police Pension Fund (Officers' Fees)	613 00	
Total	$15,473 83	
Total in City and State cases		$35,603 36

MONTHLY CASH COLLECTIONS DURING THE YEAR 1889.

January	$ 1,242 97	
February	1,811 60	
March	2,001 13	
April	2,060 69	
May	3,253 50	
June	3,106 44	
July	2,728 79	
August	2,431 65	
September	2,985 20	
October	2,848 04	
November	2,832 18	
December	8,301 17	
Total		$35,603 36

NUMBER OF CITY CASES DISPOSED OF DURING THE YEAR 1889.

Intoxication	5,669
Disturbance	409
Disorderly conduct	404
Visiting house of ill-fame	229
Residing in house of ill-fame	157
Vagrancy	145
Violating sidewalk ordinance	137
Violating property ordinance	122
Suspicious person	102
Destroying property	61
Common beggar	43
Violating peddlers' ordinance	43
Violating street ordinance	39
Violating health ordinance	34
Careless driving	28
Violating fire-arms ordinance	22
Violating street railroad ordinance	13
Violating stationary engineers' ordinance	22
Violating bathing ordinance	9
Violating music ordinance	8
Common prostitute	7
Violating bill posters' ordinance	6
Violating hack ordinance	4
Violating weight and measure ordinance	4
Violating milk ordinance	2
Violating Junk ordinance	2
Violating market ordinance	2
Violating gas lamp ordinance	2
Violating city sealers' ordinance	1
Violating exhibition ordinance	1
Gambling	1
Violating building ordinance	1
Violating dog ordinance	1
Violating railroad ordinance	1
Violating park ordinance	1
Common thief	1
Fast driving	1
Total number	7,734

NUMBER OF STATE CASES DISPOSED OF DURING THE YEAR 1889.

Petit larceny	524
Assault and battery	475
Intoxication	332
Violating railroad law	264
Gambling	166
Violating Sunday liquor law	67
Keeping house of ill-fame	65
Incorrigible conduct	64
Carrying concealed weapons	61
Neglecting minor child	29
Destroying property	27
Keeping gambling room	23
Attending prize fight	19
Cruelty to animals	18
Obtaining money by false pretenses	17
Wrongfully using a horse	16
Receiving stolen property	15
Cock fighting	13
Indecent exposure	10
House breaking in day time	10
Embezzlement	9
Violating second-hand dealers' law	8
Obstructing officer	8
Assault	7
Contempt of Court	6
Resisting officer	5
Libel	5
Selling liquor to minor	5
Violating building law	3
Promoting scheme of chance	3
Selling lottery tickets	3
Pointing and discharging fire arms	3
Wrongfully meddling with railroad property	3
Violating milk law	3
Adultery	3
Keeping resort for thieves	2
Obstructing highway	2
Keeping disorderly house	2

Obtaining goods by false pretenses	2
Keeping assignation house	2
Assaulting officer	1
Selling fire arms to minor	1
Personating officer	1
Attempting to provoke breach of the peace	1
Violating election law	1
Violating exhibition law	1
Violating local option law	1
Selling mortgaged property	1
Violating Sunday law	1
Violating insurance law	1
Violating junk law	1
Escaping from Workhouse	1
Using obscene language	1
Defrauding hotel keeper	1
Cutting down tree	1
Slander	1
Buying stolen property	1
Total number	2,316

NUMBER OF STATE EXAMINATIONS DURING YEAR 1889.

Burglary and larceny	69
Grand larceny	66
Pocket picking	22
Cutting with intent to wound	22
Robbery	21
Forgery	15
Fugitive from justice	14
Horse stealing	11
Assault with intent to rape	9
Manslaughter	7
Shooting with intent to kill	7
Attempted burglary	7
Assault with intent to rob	4
Assault with intent to kill	3
Shooting with intent to wound	3
Attempting to commit arson	2
Inducing illicit intercourse	2
Receiving stolen property	2
Arson	2
Murder	2
Cutting with intent to kill	2
Rape	2
Buying and receiving stolen property	1
Burglary	1
Embezzlement	1
Obtaining property by false pretenses	1
Total number	298

NUMBER OF CASES FROM JUSTICES' COURTS DISPOSED OF DURING THE YEAR 1889.

Assault and battery	50
Verbal libel	25
Attempting to provoke a breach of the peace	9
Destroying property	5
Slander	5
Petit larceny	4
Cruelty to animals	3
Resisting officer	3
Embezzlement	2
Selling liquor to minor	2
Suffering minor to play billiards	2
Fornication	2
Assault	2
Defrauding hotel keeper	1
Common gambler	1
Challenging to fight at fisticuffs	1
Pointing fire arms	1
Neglecting minor child	1
Indecent exposure	1
Adultery	1
Obtaining money by false pretenses	1
Compounding a felony	1
Total number	123

Respectfully submitted,

ROBERT M. CORDES,

Clerk of Police Court.

Report of the City Clerk.

City Clerk's Report.

To the Honorable City Council:

I have the honor to herewith submit the annual report of this department for the year ending December 31, 1889. The law which abolished the Board of Aldermen, passed April 13, 1889, relieved this department of a great deal of work, which was a mere duplication of the records kept of the Board of Councilmen.

A movement is now on foot to increase the license receipts, which are in a very unsatisfactory condition.

The Building Law, which has been in effect more than a year, produces one-third of the receipts from licenses. The amount received in 1889 from all licenses was $27,604.52. For a city the size of Cleveland, the receipts from licenses should be at least $150,000. The pending bill introduced by Councilman Slater proposes to license all vehicles, public or private. If this bill should become a law, and is properly enforced and sustained by the courts, an income from this source alone of more than $100,000 would be realized.

License receipts were given a set-back by a recent decision of the Common Pleas Court in reference to the existing ordinance providing for the registration of dogs. The court held that the city authorities had no right to kill *unregistered dogs*. As that was the only effective means of securing the payment of the registration fee, the ordinance was, to all practical interests, invalidated. The receipts from the reg-

istration of dogs for 1889 amounted to but $2,981, instead of $6,500, as was expected.

An ordinance to increase the revenue from dogs has been prepared, and is similar to the one in effect in Cincinnati. It provides for the impounding of all stray dogs, which, if valuable, are sold at public sale, and if worthless, are drowned. I hope this ordinance will be speedily passed.

The present City Council has shown a disposition to be extremely liberal in the matter of newspaper advertising; no less than sixteen local newspapers have been given more or less work, and several of them very liberal amounts. The result of this will be a great increase in the city advertising over the preceding year, as nine-tenths of this advertising is of no practical value. I would urgently recommend that hereafter the City Clerk be given entire control of this matter, with instructions to do such advertising only as is required by law, and to place all advertisements where inserted at lowest rates, consistent with proper circulation.

The codification of the city ordinances by attorneys Vail and Snyder, by authority of a resolution of the City Council, is being pushed rapidly forward, and is nearing completion. The revision promises to be one of the most complete and exhaustive ever undertaken on behalf of the city. The city ordinances have not been codified since 1882, and there is great need of a recodification. The new ordinances will be given to the printer April 1st, 1890.

The Council Committee on city property have, in accordance with Rule X of the City Council, prepared a report of the real estate and improvements thereon owned by the city. A complete and satisfactory record of title, however, is much needed, and special attention should be given this matter by your Honorable Body without delay.

The following tables will give in detail the business of the City Clerk's department.

Respectfully submitted,

HOWARD H. BURGESS,

City Clerk.

January 30, 1890.

PROCEEDINGS CITY COUNCIL.

Number of meetings held:	
Board of Aldermen—Regular meetings	8
Special meetings	4
Board of Councilmen—Regular meetings	13
‡City Council	38
Joint sessions	..
Total meetings	63
Amount of business transacted:	
Petitions	418
*Claims	15
Communications	1,020
†Ordinances	424
Resolutions:	
Streets	1,493
Lighting	437
Miscellaneous	768
Miscellaneous papers	470
Total	3,169

†Ordinances passed, 279. Revised Ordinances of 1882 amended 19 times.

*In addition see claims for damages by reason of street improvements on next page.

‡Board of Aldermen abolished by Legislature in April, leaving only Board of Councilmen (City Council).

CLAIMS FILED FOR STREET IMPROVEMENT DAMAGES.

STREET.	NO. OF CLAIMS.	AMOUNT.
Alum street	1	$ 500 00
Ash street	1	40 00
Birch street	3	400 00
Cobleigh street	1	2,500 00
Cuyahoga river dredging	1	300 00
Croton street	1	500 00
Dart street	1	500 00
Detroit street	58	23,885 00
East Madison avenue	18	11,507 00
Emerald alley	3	1,075 00
Forest street	1	40 00
Glass avenue	6	968 50
Hoadley street	2	45 00
Holton avenue	3	1,300 00
Hunter street	2	220 00
Huron street	10	4,536 00
Jennings avenue	1	3,000 00
Jewett street	1	200 00
Miles Park	2	2,000 00
Muirson street	1	300 00
Outhwaite avenue	1	400 00
Root street	7	321 00
Rutland street	3	2,275 00
Sheridan street	2	350 00
Slater avenue	1	50 00
Stanton street	3	225 00
State street	2	5,000 00
Swiss street	1	1,000 00
Taylor street	4	1,600 00
Tennyson street	1	2,000 00
Trumbull street	10	2,305 00
Waverley avenue	1	275 00
Wilcox street	3	2,300 00
Wood street	6	5,520 00
Totals	162	$ 77,437 50

GRANTS TO STREET RAILROADS.

Woodland Avenue and West Side Street Railroad Company.—To use electricity on all lines and extensions; Ordinance 730, passed March 22, 1889; page 273, vol. 21, Council Proceedings.

Woodland and West Side.—To extend tracks in Bridge street, Gordon, West Madison and Franklin avenues; Ordinance 955, passed September 2, 1889; page 111, vol. 22, Council Proceedings.

Brooklyn Street Railroad Company.—To use electricity; Ordinance 729, passed March 22, 1889; page 274, vol. 21, Council Proceedings.

Brooklyn Street Railroad Co.—To extend tracks in Diamond Park alley, Diamond Park street, Hugo street, Beyerle street; Ordinance 935, August 19, 1889; page 99, vol. 22, Council Proceedings.

East Cleveland Railroad Co.—To extend tracks in Case, Perkins, Willson, Hough, Dunham and Wade Park avenues, and to use electricity or horse power, to terminate with grant to East Cleveland Railroad on main lines; Ordinance 693, April 12, 1889; page 297, vol. 21, Council Proceedings.

South Side Street Railroad Co.—To extend and operate electric street railroad in Jennings, Clark and Pearl streets; Ordinance 682, February 1, 1889; page 242, vol. 21, Council Proceedings.

South Side Street Railroad Co.—To extend tracks in Seneca and Scranton from Frankfort to Clark; Ordinances 950 and 1027, September 16 and October 21, 1889; pages 125 and 146, vol. 22, Council Proceedings.

Broadway and Newburg Street Railroad Co.—To extend franchise and use electricity for 25 years; Ordinance 846, July 1, 1889; page 59, vol. 22, Council Proceedings.

Broadway and Newburg Street Railroad Company.—To extend tracks in Hugo and Beyerle streets; Ordinance 934, August 19, 1889; page 98, vol. 22, Council Proceedings.

Broadway and Newburg Street Railroad Company.—To extend tracks in Fleet, Tod, Fremont, Brecksville road, Harvard, Woodland Hills avenue and Union street; Ordinance 980, September 23, 1889; page 128, vol. 22, Council Proceedings.

Broadway and Newburg Street Railroad Co.—To extend tracks in Miles avenue to city limits; Ordinance 1026, October 21, 1889; page 146, vol. 22, Council Proceedings.

Superior Street Railroad Company.—To operate by under-ground cable; Ordinance 841, June 17, 1889; page 48, vol. 22, Council Proceedings.

Superior Street Railroad Company.—To extend tracks in Water street; Ordinance 862, July 1, 1889; page 58, vol. 22, Council Proceedings.

St. Clair Street Railroad Co.—To operate by cable; Ordinance 858, July 1, 1889; page 58, vol. 22, Council Proceedings.

AMOUNTS PAID THE VARIOUS NEWSPAPERS FOR ADVERTISING—1889.

The Cleveland Leader	$ 4,962 81
" " Plain Dealer	2,170 21
" " Germania	2,729 55
" " Volnost	490 51
" " Press	164 70
" " Anzeiger	22 55
" " Advocate	68 44
" Sunday World	7 50
" Sun and World	59 75
" Grip Publishing Co	391 98
" Wæchter Am Erie	826 15
" Dennice Novoveku	203 53
" Catholic Knight	6 30
" Union Publishing Co	16 00
" Cleveland Times	7 00
" Deutsche Presse	29 00
Total	$ 12,155 98

AMOUNTS PAID BY THE VARIOUS DEPARTMENTS FOR ADVERTISING.

Clerk	$ 9,654 91
Engineer	893 38
Board of Improvements	849 30
Mayor	465 83
Board of Police Commissioners	91 19
" Fire "	98 81
" Park "	3 00
Committee on Markets	6 38
Board of Health	15 00
Water Works	39 20
Auditor	32 48
Treasurer	4 50
Inspector of Buildings	2 00
Total	$ 12,155 98

RECAPITULATION FOR THE YEAR 1889, GIVING THE AMOUNT CHARGED TO EACH DEPARTMENT.

	Blank Books.	Printing.	Paper and Envelopes.	Stationery, Sundry.	Litho-graphing.	Eng. Supplies.	Totals for Year.
Mayor	$ 98 76	$ 24 05	$ 3 50	$ 22 41	$ 19 50	.....	$ 168 22
Board of Improvements	14 77	133 67	.....	55 56	.....	.....	204 00
Fire Department	12 65	.....	.....	14 23	.....	.....	26 88
Police Department	152 26	197 25	19 85	114 26	24 75	.....	508 37
Police Court	91 76	149 20	.....	17 43	.....	.....	258 39
Workhouse	35 07	49 20	06	12 64	15 00	.....	111 97
Infirmary Department	107·16	22 30	3 20	1 20	.....	.....	133 86
Auditor	454 89	487 02	6 60	217 09	153 39	.....	1,318 99
Treasurer	168 20	85 70	1 25	17 12	.....	.....	272 27
City Clerk	404 85	1,310 85	18 50	423 63	20 00	.....	2,177 83
Solicitor	47 55	50 35	2 18	62 44	13 25	.....	175 77
Engineer	101 53	186 45	.....	111 16	.....	$ 18 25	417 39
Street Department	65 09	8 09	3 60	8 25	.....	.....	85 03
Health Department	186 59	240 43	.....	3 26	24 00	.....	454 28
City Sealer	.....	6 25	.....	5 00	.....	.....	11 25

RECAPITULATION FOR THE YEAR 1889, GIVING THE AMOUNT CHARGED TO EACH DEPARTMENT—*Continued.*

	Blank Books.	Printing.	Paper and Envelopes.	Stationery, Sundry.	Litho-graphing.	Eng. Supplies.	Totals for Year.
Park Commissioners	$ 7 02	$ 15 75					$ 22 77
Markets	90	15 50		$ 3 00			19 40
Cemeteries		18 20					18 20
Hospital Commission		4 20					4 20
Board of Elections				74 00			74 00
Harbor Master		2 31		50			2 81
Building Inspector	93 15	139 80	60	17 61	3 00		254 16
Board of Revision		13 00					13 00
Examiner of Engineers		3 20		40			3 60
Electrical		4 00					4 00
Totals	$ 2,042 20	$ 3,166 77	$ 59 34	$ 1,181 19	$ 272 89	$ 18 25	$ 6,740 64

STATEMENT OF AMOUNTS REALIZED FROM SALES OF LICENSES FOR YEAR ENDING DECEMBER 31, 1889, FROM JANUARY 1, 1889.

CITY LICENSES ISSUED BY THE CITY CLERK, 1889.

MONTHS.	Exhibitions.		Peddlers.		Carts, Wagons, etc.		Street Cars.		Cabs, etc.		Pawnbrokers.		Engineers.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
January	.....	.....	83	$ 188 00	12	$ 36 00	.....	.....	3	$ 15 00	.....	.....	156	$ 44 75
February	2	$ 75 00	78	222 00	28	84 00	181	$ 1,810 00	1	5 00	.....	.....	83	24 50
March	3	29 00	90	345 00	33	99 00	.....	.....	.....	.....	1	$ 50 00	78	23 75
April	10	44 00	117	573 00	34	102 00	.....	.....	6	30 00	.....	.....	60	20 75
May	3	19 00	238	3,169 00	118	354 00	.....	.....	4	20 00	.....	.....	64	22 50
June	3	36 00	198	989 00	41	123 00	.....	.....	3	15 00	2	100 00	65	20 75
July	8	144 00	148	499 00	19	57 00	.....	.....	2	10 00	1	50 00	106	36 50
August	3	30 00	85	563 00	14	42 00	.....	.....	.....	.....	1	50 00	86	30 50
September	3	150 00	93	206 00	29	87 00	.....	.....	1	5 00	.....	.....	64	24 75
October	3	58 00	105	332 00	30	90 00	.....	.....	1	5 00	3	150 00	176	62 50
November	2	25 00	124	371 00	26	78 00	.....	.....	1	5 00	2	100 00	198	62 25
December	2	50 00	113	274 00	34	102 00	.....	.....	.....	.....	.....	.....	167	47 50
Total	42	$ 660 00	1,467	$ 7,731 00	412	$ 1,254 00	181	$ 1,810 00	16	$ 110 00	10	$ 500 00	1,303	$ 421 00

CITY LICENSES—*Continued.*

MONTHS.	Buildings.		Harbors and Wharves.		City Armory.		Free.		Dogs.		Gardeners.		Totals.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
January	170	$ 346 50					5						429	$ 630 25
February	124	329 85					8		1	$ 1 00			501	2,551 35
March	454	1,173 65											659	1,720 40
April	116	1,047 85	1	$ 25 00							2	$ 20 00	340	1,832 60
May	433	1,080 57	8	395 00							117	1,170 00	985	6,230 07
June	311	820 55							22	24 00	27	270 00	672	2,396 30
July	340	890 55							2649	2,879 00	34	340 00	3307	4 906 05
August	397	983 25	1	10 00					69	77 00	20	200 00	676	1,985 75
September	318	788 95									11	110 00	520	1,421 70
October	356	959 20									3	30 00	671	1,668 70
November	207	632 45									1	10 00	471	1,283 70
December	171	479 15	1	25 00									488	977 65
Total	3,397	$ 9,532 52	11	$ 455 00			13		2,741	$ 2,981 00	215	$ 2,150 00	9,659	$ 27,604 52

AMOUNT RECEIVED BY MONTHS AND FUNDS TO WHICH IT WAS CREDITED.

Months.	General.	Hospital.	Market.	Police Court.	Lighting.	Street.	Totals.
January	$ 442 25	$ 188 00	$	$	$	$	$ 630 25
February	518 35	222 00	.....	1 00	.....	1,810 00	2,551 35
March	1,375 40	345 00	.....	.....	.....	.....	1,720 40
April	1,244 60	588 00	.....	.....	.....	.....	1,832 60
May	1,901 07	4,329 00	.....	.....	.....	.....	6,230 07
June	1,113 30	1,259 00	.....	16 00	8 00	.....	2,396 30
July	1,188 05	839 00	.....	959 69	1,919 31	.....	4,906 05
August	1,145 75	763 00	.....	50 67	26 33	.....	1,985 75
September	1,105 70	316 00	.....	.....	.....	.....	1,421 70
October	1,306 70	362 00	.....	.....	.....	.....	1,668 70
November	887 70	.....	396 00	.....	.....	.....	1,283 70
December	703 65	.....	274 00	.....	.....	.....	977 65
Total	$ 12,932 52	$ 9,211 00	$ 670 00	$ 1,027 36	$ 1,953 64	$ 1,810 00	$ 27,604 52

The license money was paid into the following funds:

General	$ 12,932 52	
Hospital	9,211 00	
Market	670 00	
Police Court	1,027 36	
Lighting	1,953 64	
Street	1,810 00	
		$ 27,604 52

SUMMARY.

Exhibition	$ 660 00	
Peddlers	7,731 00	
Carts, etc	1,254 00	
Street Cars	1,810 00	
Cabs, etc	110 00	
Pawnbrokers	500 00	
Engineers	421 00	
Buildings	9,532 52	
Harbors, etc	455 00	
Dogs	2,981 00	
Gardeners	2,150 00	
Free	.....	
		$ 27,604 52

Report of the Fire Department.

BOARD OF FIRE COMMISSIONERS.

ORGANIZED APRIL 19, 1889.

HON. GEO. W. GARDNER,

President Ex Officio.

WILLIAM G. ANDREWS,

Member from the Board of Councilmen.

CONRAD WAGNER,

Citizen Member. Term expires in April, 1893.

LOUIS BLACK,

Citizen Member. Term expires in April, 1890.

MILTON A. GROSS,

Citizen Member. Term expires in April, 1891.

R. D. JONES,

Citizen Member. Term expires in April, 1892.

J. W. DICKINSON,

Chief.

A. J. SPENCER,

Secretary.

STANDING COMMITTEES.

1889-90.

FINANCE, MEN AND DISCIPLINE,

MESSRS. JONES AND BLACK.

BUILDINGS AND REPAIRS,

MESSRS. GROSS AND WAGNER.

ENGINES, APPARATUS AND CONDEMNING,

MESSRS. WAGNER AND GROSS.

EQUIPMENTS, TELEGRAPH AND SUPPLIES,

MESSRS. BLACK AND ANDREWS.

HORSES AND HORSE FEED,

MESSRS. ANDREWS AND JONES.

BOARD MEETINGS.

1ST AND 3RD THURSDAYS IN EACH MONTH.

OFFICERS OF THE DEPARTMENT.

J. W. DICKINSON,

Chief.

Office in the City Hall, Room 13.

H. H. REBBECK,

1st Assistant Chief.

Office in Engine House No. 1.

JOSEPH SPEDDY,

2d Assistant Chief.

Office in Engine House No. 7.

ARTHUR A. CAVANAH,

3d Assistant Chief.

Office in Engine House No. 4.

GEORGE A. WALLACE,

4th Assistant Chief.

Office in Engine House No. 14.

ANNUAL REPORT

OF THE

BOARD OF FIRE COMMISSIONERS.

To the Honorable the City Council of the City of Cleveland, O.:

GENTLEMEN:—The Sixteenth Annual Report of the Cleveland Fire Department for the year ending December 31st, 1889, is hereby respectfully submitted.

At the municipal election in April, 1889, Mr. C. Wagner was re-elected Fire Commissioner for the term of four years.

The *personnel* of the Board as organized May 2d, 1889, was changed only with Hon. Geo. W. Gardner, Mayor, in place of Hon. B. D. Babcock, whose term had expired.

UNIFORMED FORCE.

The uniformed force of the Department consists of one chief; four assistant chiefs; twenty-one captains; twenty-two lieutenants; sixteen engineers; seventeen assistant engineers; seventy-five firemen, and forty-two cadets.

FIRE ALARM TELEGRAPH.

One chief operator; three operators, and two linemen.

EMPLOYES.

One superintendent of machinery; one store-keeper; one veterinary; one surgeon, and one secretary.

TOTAL FORCE OF THE DEPARTMENT.

1 chief, 4 assistant chiefs, 1 secretary	6
1 supt. of machinery, 1 store-keeper, 1 veterinary and 1 surgeon	4
1 chief operator, 3 operators, and 2 linemen	6
21 captains, 22 lieutenants, and 16 engineers	59
17 assistant engineers, 75 firemen, and 42 cadets	134
2 pilots, and 1 engineer	3
Total number	212

RESIGNED DURING THE YEAR.

January 3, 1889.—Frank McKenna, cadet.
January 11, 1889.—Mathew Miller, fireman.
March 7, 1889.—H. A. Bowen, cadet.
November 15, 1889.—John Moffett, captain.
December 6, 1889.—Evan J. Howells, fireman.

RETIRED AND ADDED TO THE PENSION ROLL.

July 15, 1889.—David M. Jones, relieved from duty.
April 4, 1889.—Walter Harris, retired from all active duty.

DEATHS DURING THE YEAR.

April 25, 1889.—William Harvey, a fireman.
September 30, 1889.—Henry Williams, a fireman.
October 20, 1889.—Frank E. Davis, a retired fireman.

DISCHARGED.

May 16, 1889.—John McNanie, for intoxication.

June 20, 1889.—William B. Crane, for embezzlement. Crane was captain of Engine Company No. 12. He drew the pay for the members of his company and absconded with the money.

REPORTED FOR VIOLATING RULES.

January	3,	1889.	—William Lawrence,	violating rule	5.
"	3,	"	—John McNanie,	"	26 and 28.
"	3,	"	—Frank McKenna,	"	25 and 28.
"	17,	"	—Mathew Miller,	"	25.
"	31,	"	—S. H. Kavanaugh,	"	5.
March	7,	"	—Cortes Poak,	"	28.
April	4,	"	—Geo. Chamberlain,	"	25.
"	4,	"	—Sanford Stephens,	"	25.
May	2,	"	—W. B. Crane,	"	11.
"	16,	"	—John McNanie,	"	28.
June	20,	"	—W. F. Dempsey,	"	10.
"	20,	"	—Evan J. Howells,	"	10 and 31.
July	6,	"	—W. B. Crane, embezzlement.		
Aug.	1,	"	—George Eichhorn,	violating rule	28.
"	1,	"	—George Herr,	"	5.
"	22,	"	—Charles E. Varner,	"	10.
Sept.	5,	"	—Robert Jones,	"	50.
"	5,	"	—C. C. Campbell,	"	25.
Nov.	21,	"	—N. Clancy,	"	28.
"	21,	"	—Robert Jones,	"	28 and 31.
Dec.	16,	"	—P. J. Carney,	"	28.

CADETS APPOINTED.

John Dienst,
Arthur S. Rand,
Harry E. Pyke,
Theodore Jirle,
Patrick V. Grinly,
Ernest Woolway,
Chas. B. Collins,
Edward Mann,
Andrew Trombach,
Michael Nolan, and
Willis Hizer.

FIRE DEPARTMENT FUND.

Resources in 1889.		
January 1.—Balance on hand	$ 6,899 93	
" 1.—Advanced in December, 1888	30,000 00	
" 1.—From Sinking Fund	2,128 00	
" 7.—From Sinking Fund	2,872 00	
Febru'y 14.—1st collection	20,000 00	
March 5.—2d collection	79,322 81	
July 9.—3d collection	25,000 00	
August 24.—4th collection	65,893 81	
Dec. 6.—Advanced from levy for 1890	30,000 00	
" 16.—Advanced from levy for 1890	10,000 00	
—Deposited by Secretary	1,675 72	
Total		$ 273,792 2[illegible]
Disbursements in 1889.		
Real estate	$ 5,400 00	
To complete Engine House No. 16	7,205 80	
New alarm boxes	2,625 00	
Services	203,667 26	
Back Pay	5,476 33	
Claims—ordinary	41,330 52	
Total disbursements		265,704 91
Balance		$ 8,087 36

Unpaid claims, $771.88. Cash balance of $8,859.24.

Municipal levy for expenses in 1889	$ 235,010 33
Tax collections in 1889	220,216 62
Deficit of	$ 14,793 71
Amount of disbursements in excess of fund	31,912 64
Expenses more than the appropriation	17,118 93

MONTHLY DISBURSEMENTS.

	Pay Roll.	Claims.
January	$ 16,926 28	$ 7,322 28
February	16,224 55	4,257 23
March	16,663 48	4,828 64
April	16,663 04	5,024 24
May	16,860 59	1,512 39
June	17,254 45	11,099 49
July	17,403 81	2,884 98
August	17,200 48	7,339 17
September	17,061 69	3,743 84
October	17,147 49	4,114 57
November	17,206 03	1,910 59
December	17,055 37	2,523 90
	$ 203,667 26	$ 56,561 32
Back pay	5,476 33	
		209,143 59
Total expenses		$ 265,704 91

AGGREGATE AMOUNT OF CLAIMS.

Flagging	$ 129 95
Sewer tax	50 00
Grading	100 00
Bell	224 35
Real estate	5,400 00
Services	203,667 26
Apparatus and repairs	4,735 51
Houses and repairs	10,941 31
Horses and shoeing	6,989 18
Horse feed and bedding	9,075 95
Harness and harness shop	704 65
Hose and hose shop	653 69
Fuel and light	5,318 43
House supplies and washing	2,009 20
Miscellaneous supplies	4,129 49
Office expenses	78 16
Contingent expenses	593 29
Reservoirs and repairs	314 90
Telegraph and telephones	4,519 77
Back pay	5,476 33
Crane's embezzlement	593 49
Total	$ 265,704 91

COMPANY EXPENSES IN 1889.

Companies.	Co.	Men.		Amount.
		Mem.	Cadets.	
Corner of Academy and St. Clair.....Eng. Co. No.	1	7	2	$ 9,507 77
Champlain, near Ontario..... "	2	11	1	13,984 81
Huntington, near Garden..... ..... "	3	7	2	10,007 57
Corner of Church and State..... .... "	4	7	2	9,684 07
Phelps, near St. Clair. ..... "	5	8	.....	9,468 66
Brainard, near Lorain..... "	6	8	2	11,473 99
Forest, near Garden..... "	7	8	2	10,987 40
Scranton, near Starkweather..... "	8	8	1	9,915 42
Willson, near Woodland..... ..... "	9	8	1	9,336 24
Doan, near Euclid..... "	10	6	1	7,853 02
Corner Sawyer and Walker..... "	11	6	2	9,367 39
Waverly, near Lorain..... ..... "	12	8	1	9,469 26
Broadway, near Petrie..... "	13	8	1	10,723 68
Corner Chestnut and Muirson..... "	14	8	2	10,473 37
Fire boat..... ..... "	15	7	2	11,225 12
Woodland, near Workhouse..... .. .... "	16	7	1	15,433 64
H. & L. Co. No. 1.....in Engine House No.	1	5	7	10,744 25
" 2..... " "	4	10	4	13,655 42
" 3..... " "	9	6	4	8,813 03
" 4..... " "	11	6	1	7,562 75
" 5, Pearl street, near Walton avenue....	.....	6	1	7,337 80
Supply Co. No. 1, Chief.....	.....	1	.....	2,942 67
" 2, 1st Assistant.....	.....	1	.....	2,268 56
" 3, 2d "	.....	1	.....	2,213 36
" 4, 3d "	.....	1	....	1,993 31
" 5, 4th "	.....	1	.....	2,372 17
Telegraph.....	.....	6	.....	11,109 06
Total.....	.....	.....	.....	$ 239,923 76

HORSES PURCHASED DURING THE YEAR OF 1889.

	Of Whom Purchased.	No. of Horse.	Amount.
January 14	Aaron Schwab	178	$ 250 00
February 28	"	179	275 00
" 28	John Albinger	180	250 00
March 13	George Whitehouse	181	255 00
" 15	Fred Fisher	182	235 00
" 23	John Albinger	183	250 00
" 25	Aaron Schwab	184	250 00
May 24	"	185	250 00
May 25	Thorman Brothers	186	250 00
June 5	"	187	200 00
July 6	John Albinger	188	275 00
" 6	"	189	250 00
" 8	"	190	270 00
" 8	"	191	250 00
" 31	Jackson & Johns	192	240 00
" 31	Aaron Schwab	193	225 00
Sept. 10	George Sharp	194	250 00
" 18	"	195	250 00
18 horses			$ 4,475 00

HORSES LOST BY SICKNESS OR ACCIDENT DURING THE YEAR 1889.

May 2d, 1889. Horse No. 27. Ordered shot. Hind leg broken.

June 12th, 1889. Horse No. 151. Died. Cause, congestion of liver and kidneys.

August 9th, 1889. Horse No. 74. Died. Cause, conjestion of lungs.

November 16th, 1889. Horse No. 195. Died. Cause, paralysis.

The veterinary made 629 calls in the treatment of 37 different diseases.

HORSES SOLD DURING THE YEAR 1889.

Date of Sale.	To Whom Sold.	No. of Horse.	Amount.
August 10	B. H. Brainard	30	$ 20 00
Feb. 28	John Albinger	55	50 00
August 29	Geo. H. Lowrie	104	110 00
May 4	William Shultz	105	165 00
August 27	J. Kelligher	137	100 00
" 30	Geo. H. Lowrie	166	150 00
May 4	William Shultz	178	210 00
Total			$ 805 00

Number of horses in the department December 31, 1889, 92.

Number of horses out of service from disability, December 31, 6.

The cost of shoeing each horse per day nearly 6 cents.

HORSE FEED AND BEDDING IN 1889.

509,708	pounds hay	$ 3,757 23
12,590	bushels oats	3,967 95
184,492	pounds straw	703 27
41,897	pounds bran	324 48
36	loads sawdust	36 00
15	bushels corn	5 68
Pasturage		79 00
	Total	$ 8,873 61

Cost per day for each horse, 26 cents.

2,574,030 pounds of coal used, $3,652.66.

FIREMEN'S PENSION FUND.

Resources.		
January 1, 1889, cash balance	$ 3,769 27	
Tax collection	21,728 15	
Interest on bonds	2,000 00	
Donations	160 00	
	$ 27,657 42	
Disbursements.		
Paid to pensioners		$ 8,324 65
Paid for Monumental Park bonds		14,000 00
Paid premiums		1,330 00
Paid box rent		5 00
To balance		3,997 77
		$ 27,657 42

CONDITION OF FUND TOTAL RESOURCES.

15 Fostoria bonds	$ 15,000 00
15 East Liverpool bonds	15,000 00
14 Monumental Park bonds	14,000 00
Cash on hand	3,997 77
Total	$ 47,979 77

ADDITIONS TO THE PENSION PAY ROLL IN 1889.

Mrs. Anna Graham, with four children	$ 44 00
Walter Harris, retired from active service	50 00
David M. Jones, relieved from duty	26 67
Mrs. Adeline Williams, with three children	38 00
Mrs. Frank E. Davis	20 00
Monthly increase	$ 178 67

MONTHLY DECREASE IN THE FIREMEN'S PENSION FUND.

Frank E. Davis, died October 20th, 1889, drawing	$ 50 00
Mrs. Mary Gensert was married; her pension was	20 00
Total decrease	$ 70 00
Net monthly increase during the year	$ 108 67

ELECTED AS MEMBERS OF THE BOARD OF TRUSTEES FIRST TUESDAY IN JANUARY, 1889.

J. W. Dickinson, J. D. Barlow and John McWilliams.

Monthly pay roll at present is $607.67.

Mrs. Addie Ann King, in August, commenced proceedings against the Board in the Court of Common Pleas to compel said Board to place her with her children upon the pension roll, and to recover back pay. The court decided against her.

Mrs. Nora Harvey also commenced proceedings against the Board in the Court of Common Pleas to compel the Board to place her and her five children upon the pension roll. The court has not yet rendered a decision.

The State law is not clearly understood, and ought to be changed so that the Commissioners can easily understand it, and it will then save litigation.

It is claimed now by some that those who are just appointed are entitled to the same privileges as those who have served ten years.

A new law passed April 18, 1890; see Appendix.

AMOUNT OF 2½ INCH HOSE IN SERVICE DECEMBER 31ST, 1889.

Name of Manufacturer.	Brand.	No. of Feet.
American Fire Hose Mf'g Co.	Double Jacket	4,900
Boston Woven Hose Co.	Bay State	3,450
N. Y. Belting & Packing Co.	Cable No 3	500
Fabric Fire Hose Co.	Unique	4,700
Eureka Fire Hose Co.	Eureka	500
" "	Surprise	50
Cotton hose		14,100
Gutta Percha & Rubber Mf'g Co.	Carbolized	500
Boston Belting Co.	Excelsior	150
Hamilton Rubber Co.	Hercules	900
N. Y. Belting & Packing Co.	Test	750
Ohio Rubber Co.	Victor	1,050
Rubber hose		3,350
Samuel Eastman & Co., leather	Improved	500
2½ inch hose in service		17,950
3½ " " "		1,150
¾ " " "		700
Hose in service		19,800

Hose burst during the year	3,600 feet.
Hose repaired during the year	2,650 feet.
Hose replaced during the year	400 feet.
Hose condemned during the year	600 feet.
Net loss of hose during the year	1,150 feet.

AMOUNT OF HOSE IN THE DEPARTMENT DECEMBER 31ST, 1889.

Name of the Manufacturer.	Brand.	When Purchased.	No. of Ft.
American Fire Hose Mf'g Co	Double, Jacket	October, 1884	1,000
" " "	"	June, 1885	1,900
" " "	"	August, 1886	1,000
" " "	"	July, 1887	1,000
Boston Woven Hose Co.	Bay State	April, 1888	4,000
Fabric Fire Hose Co	Unique	July, 1881	50
" "	"	Feb., 1882	909
" "	"	Sept., 1883	1,450
" "	"	June, 1885	1,400
" "	"	July, 1887	950
Eureka Fire Hose Co	Eureka	Sept., 1882	500
" "	Surprise	Nov., 1886	50
New York Belting & Packing Co	Cable No. 3	March, 1888	500
Boston " "	Excelsior	Sept., 1884	200
Gutta Percha & Rubber Mf'g Co	Carbolized	April, 1883	300
" " " "	"	Sept., 1884	300
Hamilton Rubber Co	Hercules	July, 1887	1,000
Ohio Rubber Co	Victor	August, 1886	950
" "	"	Jan., 1887	400
New York Belting & Packing Co	Test	July, 1887	1,000
Samuel Eastman & Co., leather	Improved	October, 1886	500
Total 2½ inch hose			19,350
American Jacket, 3½ inch hose			1,000
Three trucks, carry each 3½ inch hose	50 ft.		150

ALARMS, LOSSES, AND INSURANCE.

Months. 1889.	Alarms.			Owners' Loss.	Occupants' Loss.	Owners' Insurance.	Occupants' Insurance.
	Box.	Still.	Total.				
January	45	10	55	$ 24,060 79	$ 26,605 00	$ 252,200 00	$ 20,200 00
February	46	8	54	96,927 65	561 65	290,300 00	11,500 00
March	56	8	64	4,345 15	1,292 52	65,800 00	7,100 00
April	38	10	48	10,421 00	350 00	55,600 00	2,000 00
May	40	10	50	4,150 53	6,019 89	202,575 00	15,400 00
June	43	6	49	20,467 00	6,432 00	166,350 00	9,000 00
July	68	11	79	28,051 73	1,244 68	103,245 00	25,100 00
August	54	8	62	13,725 17	935 00	286,150 00	2,250 00
September	45	5	50	7,653 95	1,705 00	50,900 00	2,100 00
October	46	16	62	57,250 25	8,585 00	155,050 00	162,940 00
November	46	8	54	35,113 00	845 00	133,100 00	11,500 00
December	48	2	50	16,268 92	5,999 00	67,000 00	47,060 00
Totals	575	102	677	$ 312,435 14	$ 60,574 74	$1,828,270 00	$ 316,150 00

Owners' loss	$ 312,435 14	Insurance on buildings	$ 1,828,270 00
Occupants' loss	60,574 74	Insurance on contents	316,150 00
Total loss	$ 373,009 88	Total insurance	$ 2,144,420 00

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A new law passed April 18, 1890; see Appendix.

AMOUNT OF 2½ INCH HOSE IN SERVICE DECEMBER 31ST, 1889.

Name of Manufacturer.	Brand.	No. of Feet.
American Fire Hose Mf'g Co	Double Jacket	4,900
Boston Woven Hose Co	Bay State	3,450
N. Y. Belting & Packing Co	Cable No 3	500
Fabric Fire Hose Co	Unique	4,700
Eureka Fire Hose Co	Eureka	500
" "	Surprise	50
Cotton hose		14,100
Gutta Percha & Rubber Mf'g Co	Carbolized	500
Boston Belting Co	Excelsior	150
Hamilton Rubber Co	Hercules	900
N. Y. Belting & Packing Co	Test	750
Ohio Rubber Co	Victor	1,050
Rubber hose		3,350
Samuel Eastman & Co., leather	Improved	500
2½ inch hose in service		17,950
3½ " " "		1,150
¾ " " "		700
Hose in service		19,800

Hose burst during the year	3,600 feet.
Hose repaired during the year	2,650 feet.
Hose replaced during the year	400 feet.
Hose condemned during the year	600 feet.
Net loss of hose during the year	1,150 feet.

AMOUNT OF HOSE IN THE DEPARTMENT DECEMBER 31ST, 1889.

Name of the Manufacturer.	Brand.	When Purchased.	No. of Ft.
American Fire Hose Mf'g Co	Double, Jacket	October, 1884	1,000
" " "	"	June, 1885	1,900
" " "	"	August, 1886	1,000
" " "	"	July, 1887	1,000
Boston Woven Hose Co.	Bay State	April, 1888	4,000
Fabric Fire Hose Co	Unique	July, 1881	50
" "	"	Feb., 1882	900
" "	"	Sept., 1883	1,450
" "	"	June, 1885	1,400
" "	"	July, 1887	950
Eureka Fire Hose Co	Eureka	Sept., 1882	500
" "	Surprise	Nov., 1886	50
New York Belting & Packing Co	Cable No. 3	March, 1888	500
Boston " "	Excelsior	Sept., 1884	200
Gutta Percha & Rubber Mf'g Co	Carbolized	April, 1883	300
" " " "	"	Sept., 1884	300
Hamilton Rubber Co	Hercules	July, 1887	1,000
Ohio Rubber Co	Victor	August, 1886	950
" "	"	Jan., 1887	400
New York Belting & Packing Co	Test	July, 1887	1,000
Samuel Eastman & Co., leather	Improved	October, 1886	500
Total 2½ inch hose			19,350
American Jacket, 3½ inch hose			1,000
Three trucks, carry each 3½ inch hose	50 ft.		150

ALARMS, LOSSES, AND INSURANCE.

Months. 1889.	Alarms.			Owners' Loss.	Occupants' Loss.	Owners' Insurance.	Occupants' Insurance.
	Box.	Still.	Total.				
January	45	10	55	$ 24,060 79	$ 26,605 00	$ 252,200 00	$ 20,200 00
February	46	8	54	96,927 65	561 65	290,300 00	11,500 00
March	56	8	64	4,345 15	1,292 52	65,800 00	7,100 00
April	38	10	48	10,421 00	350 00	55,600 00	2,000 00
May	40	10	50	4,150 53	6,019 89	202,575 00	15,400 00
June	43	6	49	20,467 00	6,432 00	166,350 00	9,000 00
July	68	11	79	28,051 73	1,244 68	103,245 00	25,100 00
August	54	8	62	13,725 17	935 00	286,150 00	2,250 00
September	45	5	50	7,653 95	1,705 00	50,900 00	2,100 00
October	46	16	62	57,250 25	8,585 00	155,050 00	162,940 00
November	46	8	54	35,113 00	845 00	133,100 00	11,500 00
December	48	2	50	16,268 92	5,999 00	67,000 00	47,060 00
Totals	575	102	677	$ 312,435 14	$ 60,574 74	$1,828,270 00	$ 316,150 00

Owners' loss	$ 312,435 14	Insurance on buildings	$ 1,828,270 00
Occupants' loss	60,574 74	Insurance on contents	316,150 00
Total loss	$ 373,009 88	Total insurance	$ 2,144,420 00

LOSSES AND INSURANCE SINCE 1870.

Year.	No. of Fires.	Losses.	Insurance.
1870	213	$ 378,635 61	$ 437,050 00
1871	199	300,453 77	535,110 00
1872	176	309,725 22	263,950 00
1873	186	348,410 94	425,450 00
1874	285	641,504 37	915,810 00
1875	284	137,102 66	545,800 00
1876	274	253,559 75	543,350 00
1877	320	25,910 00	336,000 00
1878	266	207,836 95	612,887 00
1879	294	215,357 96	455,532 00
1880	337	268,799 58	700,320 00
1881	479	365,400 58	856,599 00
1882	477	364,646 08	1,543,469 00
1883	442	502,449 92	1,383,102 00
1884	537	1,522,861 84	1,990,730 00
1885	574	429,241 73	1,657,181 00
1886	653	105,879 39	1,468,585 00
1887	652	277,573 10	1,674,960 00
1888	676	541,248 85	2,598,885 00
1889	677	373,009 88	2,144,420 00

ALARMS AND CAUSES.

Causes.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Unknown	9	8	10	11	8	8	10	7	10	12	7	9	109
Leaky oil pipe	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	2	5
Leaky still	.....	2	.....	.....	.....	.....	.....	.....	1	2	.....	.....	5
Leaky gasoline stove	.....	2	.....	1	1	3	2	1	1	2	.....	.....	13
False alarms	1	1	2	.....	1	1	2	.....	1	1	.....	1	11
Carelessness	12	8	8	7	7	13	18	12	7	14	9	13	128
Smoke	1	1	.....	.....	.....	.....	1	.....	2	1	5	1	12
Defective flues	4	9	7	6	2	5	3	.....	4	4	4	5	53
Defective furnace	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4
Defective grate	1	.....	.....	1	.....	.....	.....	.....	.....	1	2	.....	5
Sparks	4	7	25	14	11	6	11	11	10	8	7	3	117
Children playing with fire	2	.....	.....	.....	1	.....	3	2	.....	.....	.....	1	9
Children playing with matches	1	1	.....	1	1	.....	.....	4	2	.....	1	.....	11
Incendiary	2	.....	2	2	2	2	3	8	.....	.....	2	.....	23
Chimneys burning	5	2	2	.....	1	2	1	.....	2	2	2	2	21
Electric light	3	.....	2	1	3	.....	.....	2	1	.....	1	.....	13
Stove pipe through roof	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Paraffine wax	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Steam	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Connection brake	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Rubbish burning	1	1	.....	2	4	1	4	3	3	3	1	1	24
Overheated oven	1	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	3
Fire out of the city	1	.....	.....	.....	.....	.....	3	.....	.....	1	.....	1	6
Pitch boiling over	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Pan of lard boiling over	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Ash pit	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Overheated lamp	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Overheated stove	.....	1	1	.....	2	.....	1	1	.....	.....	1	1	8
Thawing water pipe	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Explosions	.....	3	.....	.....	.....	2	.....	4	2	1	1	2	15
Upsetting stove	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2
Unnecessary	.....	1	1	.....	.....	.....	2	2	.....	.....	.....	1	7
Mice gnawing matches	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1

ALARMS AND CAUSES—*Continued.*

Causes.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Spontaneous combustion			1			1			1	1	1		5
Defective oven			1									1	2
Overheated furnace			1			2						1	4
Overheated dry-room				1						1			2
Overheated chemicals					1								1
Hot ashes											1		1
Motor power					1								1
Tar kettle boiling over											2		2
Hot box					1		1						2
Lightning					1		1			1			3
Drawing gasoline by lamp light					1								1
Tramps smoking						1		1					2
Lighting fire with coal oil						1						1	2
Fire works						1	3						4
Friction												1	1
Fire crackers							2						2
Overheating boiler											1		1
Overheating still							1						1
Overheating smoke-house											1	1	2
Overheating tank							1						1
Overheating lime-kiln											1		1
Burning sulphur							2						2
Old fire broke out							1		1		1		3
Tailor's goose							1						1
Electricity							1	1	1	5			8
Overheated pan of grease								1					1
Bursting of a mould												1	1
Ignition of gas								1					1
Leaky coal oil lamp										1			1
Tree on fire								1					1
Barrel of oil on fire										1			1
Lamp too near ceiling											1		1
Total	55	54	64	48	50	49	79	62	50	62	54	50	677

CASUALTIES.

Feb'y 23.—An explosion of natural gas occurred while the workmen were engaged in the tunnel, and eight of them were quite severely burned.

March 13.—One horse was burned to death.

" 17.—Mrs. Kaneen was burned to death.

" 31.—One man was rescued from a burning building.

April 20.—Theodore Eihlmann was burned quite severely.

" 30.—An accident occurred to the fire boat.

May 5.—Two horses burned to death.

" 7.—Mrs. Winslow's hands slightly burned.

" 17.—Mrs. Vanama was burned to death.

" 17.—Miss Sadie Vanama burned on the hands.

" 17.—William Belik was burned fatally.

" 27.—Capt. Gorman, of Eng. Co. No. 2, fell through an elevator shaft and received severe injuries.

June 8.—Six horses burned to death.

" 16.—Annie Smith was burned on her hands and arms.

" 19.—Lieut. Stockey, of Engine Co. No. 10, received a cut on his foot.

" 30.—Mrs. Arnold was burned to death.

July 9.—Three horses were burned to death.

" 30.—Four horses were burned to death.

August 6.—Seven horses were suffocated.

" 12.—Four horses were burned to death.

" 24.—Mrs. Menche badly burned on her hands.

Sept. 10.—Miss Faubel badly burned on her face.

" 14.—Miss Annie Mathews badly burned on her face.

" 15.—Mary Conway slightly burned on her face.

Oct. 8.—Lieut. Hawley, of H. & L. Co. 1, was cut on his hand with glass.

" 30.—Fireman Chas. Schwind received severe injuries.

Nov. 15.—Mrs. Beebe was badly burned.

" 27.—James Garrity was badly burned on his hand.

" Four horses were burned to death.

The following reports are respectfully submitted:

Chief's Annual Report.
Superintendent of Machinery's Report.
Chief Operator's Annual Report.
Surgeon's Report.

Report of Chief of Fire Department.

CLEVELAND, O., December 31, 1889.

To the Honorable Board of Fire Commissioners.

GENTLEMEN:—I have the honor to submit to you my Ninth Annual Report of the work, condition and requirements of the Fire Department of this city for the year ending December 31, 1889.

During the past year the Department has responded to five hundred and seventy-five box alarms and one hundred and two still alarms, making six hundred and seventy-seven alarms of fire, being one more alarm than last year. Within that period of time, there were seven false alarms, twenty-seven calls for assistance, and two hundred and sixty-six working fires.

The amount of loss by fire in 1889 was distributed as follows: On buildings, $312,435.14; on contents, $60,574.74, making a total of $375,009.88, which was covered by insurance to the amount of $2,144,420.

The largest loss sustained by fire occurred February the 7th, when the Blanket Mill belonging to Beckman, Sr., caught fire. The loss reported on the Blanket Mill amounted to $80,000. The fire communicated to the Woolen Mill belonging to F. Mulhauser, and damaged him to the extent of $4,000.

On October 8th, William Edwards & Co. sustained a loss of $50,000.

SUMMARY OF THE WORK PERFORMED BY EACH COMPANY IN 1889.

Companies.	Fires Attended.	Fires Worked on.	Hours Worked.	Miles Run.	Feet of Hose Used.	
Engine Co. No. 1...	99	23	26¾	113¾	10,600	
" 2...	144	38	46	197¾	12,950	
" 3...	170	41	42½	328¼	17,600	
" 4...	127	30	48¼	224⅝	19,700	
" 5...	76	37	39¾	124¼	13,700	
" 6...	140	43	48¼	224⅜	19,700	
" 7...	128	41	56¼	349¾	22,150	
" 8...	86	43	97	180⅝	17,500	
" 9...	91	22	35¼	206¾	13,700	
" 10...	28	9	20¾	66½	5,000	
" 11...	61	28	42¼	148⅛	14,200	
" 12...	50	26	37½	92¼	12,050	
" 13...	94	29	44¾	286	17,500	
" 14...	167	33	53½	337¼	12,000	
" 15...	78	13	40¼	212	3,950	Fire boat.
" 16...	44	17	18½	107½	7,000	
H. & L. Co. No. 1...	190	128	129	345	.....	
" 2...	166	91	101¾	316¼	.....	
" 3...	195	82	95¾	637	.....	
" 4...	61	40	51¼	166¼	.....	
" 5...	52	35	52½	112¾	3,000	¾ hose.
Chemical "A".....	222	74	41¾	293	18,000	"
" "B".....	166	46	44½	297¼	11,400	"
Aerial Ladder.....	17	.....	.....	.....	.....	
			1,215	5,347⅛	252,200	

The attention of the Board is called to the imperative necessity of additional fire apparatus for the protection of the city. There ought to be put in service at once four engine companies and one hook and ladder company, in addition to the companies now in service. There has not been a steam fire engine nor hook and ladder truck purchased during the past six years, and even then only to replace old and worn out ones.

Added to the fire risks during the year were 3,903 brick and frame buildings at a cost of $4,401,854, and this increase should be properly protected, and some means ought to be devised whereby the urgent demands made could be met.

Your attention is also called to the Wire Ordinance which was passed April 9th, 1888, requiring all wires in certain streets to be placed under ground by April, 1890.

I would respectfully call the attention of the Board to the Surgeon's report, relative to the health of the Department, and to the Superintendent of Machinery's report relative to the condition of the machinery. Also to the Chief Operator's report of the condition of the Fire Alarm Telegraph.

The changes recommended would be undoubtedly very beneficial, but the intricate problem to solve is, "What means can be devised to meet the expenses necessary to make the proposed changes?" The cost of this branch of the department during the year was $11,109.06, and to add $10,000, making the expenses for 1890 nearly $20,000, probably cannot be accomplished.

In closing my report, I desire to return my thanks to your Honorable Body for courtesies received during the year, and to the officers and men of the department for their efficiency and gentlemanly deportment, and for their courage and obedience to duty whenever called upon, and to the officers and members of the Police Force, who have at different times assisted in various ways.

Respectfully submitted,

J. W. DICKINSON,

Chief of Fire Department.

REPORT OF

Superintendent of Machinery.

CLEVELAND, O., December 31, 1889.

James W. Dickinson, Chief:

SIR :—I have the honor to submit my Annual Report for the year ending December 31st, 1889.

APPARATUS IN ACTIVE SERVICE

consists of fifteen steam fire engines, one fire boat, nine hose wagons, four hose carriages, two hose carts, five hook and ladder trucks, one aerial ladder, two two-wheeled chemical engines, five Chiefs' buggies, one Superintendent of Machinery wagon, one telegraph wagon, one gig for use of telegraph department, one general delivery wagon, fourteen exercise wagons.

APPARATUS IN RESERVE.

Two engines in good order, one chemical engine in fair condition, one hose carriage good, two supply wagons good, one hook and ladder truck in bad order, one hose cart fair, one in bad order.

EXTENSIVE REPAIRS TO

Engines 2, 3, 7, 8, 10, 13, 15, 16.
Hose carriage No. 8, 13.
Hose wagons 3, 5.
Hook and Ladder trucks 2, 3.
Chief's supply.
Supply 2, 3, 4.
General delivery wagon.
Chemical A.

ORDINARY REPAIRS TO

Engines Nos. 1, 4, 5, 6, 9, 11, 12.
Reserve Engines A, C.
Chemical B.
Hook and Ladder trucks Nos. 1, 4, 5.
Hose wagons Nos. 1, 2, 4, 6, 7, 9, 14.
Hose carts Nos. 10, 16.
Hose carriage No. 12.
Supply No. 1. Reserve supply A and B.
Sup't of Machinery wagon, Telegraph wagon and Gig.
Exercise wagons Nos. 1, 3, 4, 5, 6, 10, 11, 12, 13, 14.
Reserve Hose carriage and Hose cart.

RESERVE APPARATUS, WHERE LOCATED.

Reserve Engine B, Fire Station 4.
" Engine C, Fire Station 9.
" Chemical, Fire Station 10.
" H. & L. truck, Fire Station 10.
" Hose carriage, Fire station 1.
" Hose cart, Fire station 10.
" Supply A, Fire station 3.
" Supply B, Fire station 9.
" Protection wagon, Fire station 14.

ENGINES AND APPARATUS.

On this account there has been expended $4,709.82; included in the above sum there have been purchased new apparatus or articles pertaining thereto: two new Chiefs' buggies, $370.00; new exercise wagon with three horse hitch, $139.00; two heaters, $300.82; six new suctions, $232.25; five new ladders, $63.40; two steel blades for propeller, $54.25. Total paid as above enumerated $1,159.57, leaving as an amount paid for repairs of apparatus and articles for operating same, $3,550.25. The machinery of the department was in good working order at the close of the year and has done good service whenever called into active service. The only apparatus in shop for repairs is steamer No. 10, which is receiving a new coil in boiler.

The new hose wagon ordered is nearly completed. There were few casualties to mention, the capsizing of steamer No. 2, and the loss of one blade of propeller wheel of the fire boat.

I would mention the fact that the machinery of the Department is not adequate to give the required protection to property, owing to the amount of territory to be covered by some companies; there should be at least five more engine companies and two hook and ladder companies added to the present force, and would suggest lighter apparatus be put in service in the event of any increase in the number of engines.

Some of the apparatus is getting old and will in a few years have to give way to new and better machinery; the growth of the city demands it. I hope this matter will be kept in view until this Department receives the strength in its force which it immediately requires.

The following table will show the cost of repairs to each apparatus each month of the year:

STATEMENT, SHOWING COST OF REPAIRS ON EACH APPARATUS FOR EACH MONTH OF THE YEAR ENDING DECEMBER 31, 1889.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Steamer No. 1	$ 67	$ 80	$ 7 75	$	$ 1 35	$ 3 95	$ 75	$	$ 9 13	$ 3 78	$	$	$ 28 18
" 2	22 75		4 33	4 03	8 67	3 20	49 10	8 21	4 30	4 10	65 41		174 10
" 3		31 75	50	23 46	3 00	1 13	3 98	45	6 80		4 90	1 50	77 47
" 4			9 61		90		08		1 51				12 10
" 5						40			40	9 79	26 75	11 65	48 99
" 6		3 73			2 25				11 92		98	75	19 63
" 7	4 92	7 43		5 97	23 79	131 43	29 00	40		7 00			219 94
" 8	14 03	9 00				5 71	26 44	317 47					372 59
" 9	1 58									4 33			5 91
" 10			1 00		10							307 48	308 58
" 11	6 45		50							19 50	16 60		43 05
" 12		1 35	5 42	2 90				27 62	5 46		7 26	1 75	50 76
" 13	5 47	15 34	1 48	4 67	117 37	2 85	72 85		5 55	5 37	82 65	118 74	432 44
" 14	12	1 50			2 15				15 83	45 26	19 50		84 36
" 15		59 52	15 09	2 62	141 78	4 40	80		2 75		53	74	218 88
" 16			85 00	2 30	1 33	1 20	46 98	11 88	4 48	5 05		70	158 92
Reserve Engine A		53 30	17 82										71 02
" B								13 04			4 80	8 83	26 17

STATEMENT, SHOWING COST OF REPAIRS—*Continued.*

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Reserve Engine C	$	$	$	$	$17 80	$	$	$ 35	$ 30	$ 72	$33 68	$	$ 52 85
Chemical A	18 68		10	2 25	80	4 40			36 30		2 85		66 38
" B							4 56	12 64		3 80			31 00
Hook and Ladder 1		75	77	1 15	20		1 37	5 00		5 31	3 45	55	18 55
" 2			22 77			48 40		15				60	71 92
" 3	2 65			21 40	20 65			3 70		9 52	75		58 70
" 4			10 20					35			27 75		38 30
" 5				1 40						37 75			37 15
Hose Wagon 1		2 55								9 10		60	12 25
" 2		1 35		15 30	1 50			6 85		1 40	4 50		40 90
" 3	10 95	3 55			75	1 10	67 50	1 80	2 43				87 98
" 4							2 20						2 20
" 5				5 20				79 20					84 40
" 6				2 00							12 25		14 25
" 7			25										25
Hose Carriage 8						131 02		1 25					132 27
Hose Wagon 9			19 25		40	2 00		2 40		50		7 80	42 35
Hose Cart 10					2 88				3 07				5 95
Hose Carriage 11													
" 12				6 63					50	70			7 83

STATEMENT, SHOWING COST OF REPAIRS—*Continued.*

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Hose Carriage 13	$ 5 00	$	$	$	$	$	$	$	$	$	$24 25	$	$ 29 25
Hose Wagon 14	80							6 95				1 25	8 90
Hose Cart 16			4 01	1 18									5 19
Chiefs' Supply					112 25								112 25
Supply 1						7 20		25	1 05		6 45		14 95
" 2	50	2 25	8 72			5 00	4 25	17 17				37 60	67 44
" 3						25	50 45	185 00					235 78
" 4								1 00	185 00	5 30			191 30
Reserve Supply 1					1 00						50		1 50
" 2								1 00		35			1 35
Supt. Machinery Wagon			5 09	6 20	1 35		35				23 00	20	36 19
Telegraph Wagon		8 25	1 00				13 10	6 35					28 70
Telegraph Gig			1 00		3 00			6 35					10 35
General Delivery Wagon			85		10	47 70	4 50	10		55	2 20		55 80
Exercise Wagon 1				8 00		60		4 00					12 60
" 3									8 10				8 10
" 4						2 20	2 20		18 42	1 25		35	34 52
" 5						42 70				5 40			48 10
" 6											2 00	75	2 75
" 10									3 07	20			3 27

STATEMENT, SHOWING COST OF REPAIRS—*Continued.*

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Exercise Wagon 11	$	$	$	$21 60	$	$	$	$	$	$	$3 25	$	$ 24 85
" 12				2 00						8 15			10 15
" 13				21 25			3 50						24 75
" 14										10			10
" 16				19 00			120 00			2 25			141 25
Reserve Hose Carriage			5 25										5 25
" Cart		10 00											10 00
Heater No. 1						7 50						2 20	9 70
" 2												1 40	1 40
" 3								2 94					2 94
" 6							7 89						7 89
" 12							9 34						9 34
" 13									154 49				154 49
" 14												6 79	6 97
" 16			146 33										146 33
Tools				1 71	23 58		21 50		1 55	1 38		3 45	54 17
Spare Suction										41 80			41 80
Total	$94 57	$212 42	$373 89	$182 32	$482 95	$463 32	$593 14	$723 90	$482 91	$250 70	$376 11	$515 48	$4,709 82

DESCRIPTION OF STEAM FIRE ENGINES.

Engine Co. Using.	Manufacturers' Name.	Style of				Size in Inches.			When Placed in Service.	Size.
		Frame.	Boiler.	Engine.		Steam cylind'r	Stroke of Piston.	Pumps.		
Engine Co. No. 1...	Silsby Mfg. Co.	Straight	Drop tube	Rotary					1885	No. 1 Extra.
" 2...	Clapp & Jones Mfg. Co.	Crane neck	"	Piston	Double	9	8	5½	1885	"
" 3...	" "	"	"	"	"	8	7	5	1885	No. 1.
" 4...	Silsby Mfg. Co.	Straight	"	Rotary					1880	" 1.
" 5...	Amoskeag Mfg. Co.	Crane neck	Tubular	Piston	Double	6⅞	8	4¼	1875	" 2.
" 6...	Silsby Mfg. Co.	"	Drop tube	Rotary					1885	" 2.
" 7...	"	"	"	"					1884	" 3.
" 8...	Ahrens Mfg. Co.	Straight	Coil	Piston	Single	9	8	5½	1878	" 3.
" 9...	Amoskeag Mfg. Co.	Crane neck	Tubular	"	Double	6⅞	8	4¼	1879	" 2.
" 10...	Ahrens Mfg. Co.	Straight	Coil	"	Single	9	8	5¼	1877	" 3.
" 11...	Silsby Mfg. Co.	"	Drop tube	Rotary					1877	" 2.
" 12...	"	Crane neck	"	"					1877	" 3.
" 13...	"	Straight	"	"					1864	" 2.
" 14...	"	Crane neck	"	"					1885	" 2.
" 15...	Thos. Manning, Jr., & Co.	Upright A	Scotch	Piston	Duplex	16	10	8	1886	Marine.
" 16...	Silsby Mfg. Co.	Straight	"	Rotary					1873	No. 1.
Reserve B	"	"	"	"					1873	" 1.
" C	"	"	"	"					1871	" 1.

In conclusion, permit me to return thanks to the Honorable Board of Fire Commissioners for their kind regards the past year; to the Chief of the department for his kindness and valuable aid given me during the year closed.

Respectfully submitted,

C. D. MURPHY,

Supt. Machinery, C. F. D.

Chief Operator's Annual Report.

FIRE ALARM OFFICE, Room No. 14, CITY HALL,
CLEVELAND, O., January 1, 1890.

J. W. Dickinson, Chief:

SIR:—I have the honor to submit my Annual Report for the year ending December 31, 1889.

The working force of this department consists of a Chief Operator, 3 Operators and 2 Linemen.

The condition of office instruments is poor, and as they have been touched up in former reports there is only one thing I can say, "replace them as soon as possible."

The Gamewell F. A. Tel. Co. sent us a model of a non-interference, automatic repeater for trial. I connected it to our system; after two days trial disconnected it, feeling satisfied that it is not what is wanted for this department. The lines and poles are, with a few exceptions, in a fair condition.

During the year, 25½ miles of copper wire was used in adding one more box or signal circuit to our system and extending and repairing other circuits. We used 6¾ miles of iron wire in rebuilding and repairing telephone circuits.

During the year, 29 old alarm or signal boxes were replaced by new ones and 5 boxes added to the system.

The telephone service has been greatly impaired by the introduction of the electric street car system, especially so on Nos. 11 and 13 telephone lines, which are very bad. The only remedy is to go over another route or use a return wire. The expense should be borne by the street railroad company causing the change.

The conduits, and wires contained in them, give good service.

The Cleve. Tel. Co. has laid conduits on several streets, and in Spring will continue the work, and, as the city has reserved the right for all city wires, I would recommend placing all our wires in said conduits where practicable and as soon as possible. The following additions and changes are recommended:

In fire alarm office an additional counter, two relays, and register for each box or signal circuit.

The replacing of 25 signal boxes by new ones.

Divide east talking circuit into two circuits.

Extend bell or alarm circuits to Eng. Co. 10, 11, 12, 13 and 16.

Divide No. 7 or 8 box or signal circuits each into two circuits.

Estimated cost of above changes and underground work is $10,000. For full information, etc., see annexed tables.

Before concluding, I beg leave to extend my sincere thanks to the Honorable Board of Fire Commissioners for favors received, to the Chief for his valuable aid, and to the Operators and Linemen for their strict attention to their duties.

Respectfully submitted,

JOS. ROTHGERY,

Chief Operator.

NUMBER OF ALARMS TURNED IN FROM EACH BOX DURING 1889.

Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.	Box.	Alarms.
2	.....	31	1	63	.....	95	5	146	2	214	1	257	3	354	1	431	5
3	6	32	13	64	1	96	.....	147	2	215	3	312	1	355	6	432	3
4	5	34	7	65	3	97	1	148	3	216	7	313	.....	357	2	434	3
5	7	35	7	67	1	98	.....	149	2	217	6	314	5	358	.....	435	2
6	.....	36	1	68	8	121	3	151	3	218	2	315	.....	361	.....	436	5
7	1	37	6	69	2	123	3	152	.....	228	1	316	5	362	4	437	1
8	.....	38	.....	71	.....	124	6	153	1	231	.....	317	3	365	2	512	.....
9	2	39	7	72	3	125	4	154	6	232	2	318	.....	381	6	513	.....
10	.....	41	3	73	7	126	2	155	2	234	5	318	.....	386	1	514	.....
11	1	42	4	74	1	127	5	156	2	235	.....	319	.....	387	3	516	.....
12	9	43	1	75	2	128	2	157	2	236	4	321	.....	388	5	524	1
13	.....	45	10	76	.....	129	1	161	.....	237	6	323	3	412	3	525	1
14	1	46	2	78	2	131	4	162	4	238	.....	324	4	413	4	531	1
15	3	47	2	79	8	132	8	163	2	241	2	325	1	414	5	532	.....
16	2	48	1	81	1	133	.....	164	1	242	5	326	.....	415	.....	541	.....
18	3	49	.....	82	3	134	9	165	7	243	5	327	2	416	.....	542	.....
19	8	51	3	83	6	135	14	171	3	244	2	341	6	418	1	.....	.....
21	2	52	2	84	.....	136	3	172	1	245	7	342	2	421	8	.....	.....
23	1	53	2	85	8	137	4	173	3	246	3	343	5	423	13	.....	.....
24	1	54	2	86	.....	138	2	174	3	247	2	345	1	424	2	.....	.....
25	23	56	3	87	3	139	1	175	3	248	1	346	3	425	1	.....	.....
26	7	57	5	91	.....	141	5	178	1	251	5	347	.....	426	6	.....	.....
27	9	58	2	92	2	142	1	183	1	252	2	351	3	427	1	.....	.....
28	10	61	2	93	.....	143	2	212	2	253	.....	352	.....	428	2	.....	.....
29	2	62	5	94	3	145	1	213	1	256	1	353	.....	429	.....	.....	.....

BOX ALARMS.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Sunday	8	7	12	3	6	9	12	6	6	4	4	5	82
Monday	3	4	8	9	5	6	10	8	8	10	8	8	87
Tuesday	7	3	9	5	9	4	8	6	7	6	4	7	75
Wednesday	8	8	6	12	7	2	9	7	7	11	7	6	90
Thursday	6	10	7	4	4	8	9	9	5	7	9	4	82
Friday	7	5	6	4	5	7	10	10	4	2	7	8	75
Saturday	5	9	8	1	4	7	9	8	8	6	7	10	82
Total	44	46	56	38	40	43	67	54	45	46	46	48	573

STILL ALARMS.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Sunday	.....	2	1	1	4	1	.....	2	1	.....	2	.....	14
Monday	1	3	1	2	.....	2	3	1	1	4	2	1	21
Tuesday	1	.....	.....	3	.....	.....	2	2	.....	3	1	1	13
Wednesday	4	.....	.....	.....	.....	.....	.....	.....	1	3	.....	.....	8
Thursday	2	2	1	1	1	1	4	3	1	.....	1	.....	17
Friday	2	.....	1	.....	3	1	.....	.....	.....	3	1	.....	11
Saturday	.....	.....	4	3	2	1	2	.....	1	3	1	.....	17
Total	10	7	8	10	10	6	11	8	5	16	8	2	101

Grand total ..... 674.

ALARMS—*Continued.*

	Box Alarms.			Still Alarms.			Grand Total.	Working Fires.	Calls for Assistance.	False Alarms.
	A. M.	P. M.	Total.	A. M.	P. M.	Total.				
January	20	24	44	3	7	10	54	24	1	1
February	23	23	46	3	4	7	53	21	4	.....
March	25	31	56	4	4	8	64	19	.....	1
April	17	21	38	5	5	10	48	18	3	.....
May	19	21	40	4	6	10	50	15	.....	1
June	17	26	43	3	3	6	49	22	4	.....
July	27	40	67	3	8	11	78	26	6	3
August	25	29	54	4	4	8	62	22	1	.....
September	17	28	45	.....	5	5	50	14	1	1
October	21	25	46	7	9	16	62	29	6	.....
November	21	25	46	2	6	8	54	20	1	.....
December	19	29	48	1	1	2	50	25	.....	.....
Total	251	322	573	39	62	101	674	255	27	7

Alarms turned in by

Citizen keys	194
Box keys	123
Police keys	47
Firemen's keys	.....
Telephone	109
Engine houses	86
Police stations	15

SUMMARY 1889.

Troubles on lines removed	471
Boxes examined	401
" cleaned and repaired	42
" replaced by new ones	29
" added to the system	5
" total number in use	230
Keys issued to citizens	64
" " police	51
" " firemen	15
New poles set	460
Old poles reset	37
" " taken down	18
Number of poles owned by the city	1,920
Miles of copper wire strung	25½
" iron " "	6¾
" old iron wire taken down	193¾
" copper wire owned by the city	30½
" iron " " " "	191¾

Cables and underground wires:

1.10 conductor 350 ft. long under river at Ohio street, bad.

1.14 " 400 " " " " " good.

1.14 " 400 " " " Superior street, good.

2,738 ft. of conduit on Doan street and Bolton avenue containing 7,384 ft. of okonite wire.

TELEGRAPH AND TELEPHONE LINES.

Circuit.	Copper Wire.	Iron Wire.	Total Length.
1 Signal	9½ miles	3 miles.	12½ miles.
2 "	3½ "	10¼ "	13¾ "
3 "	0 "	12 "	12 "
4 "	1½ "	12¾ "	13¾ "
5 "	3 "	14¼ "	17¼ "
6 "	0 "	7½ "	7½ "
7 "	0 "	15 "	15 "
8 "	0 "	16 "	16 "
9 "	10½ "	1½ "	12 "
1 Talking	2½ "	15½ "	18 "
2 "	0 "	9½ "	9½ "
1 Alarm	0 "	3¼ "	3¼ "
2 "	0 "	6½ "	6½ "
3 "	0 "	9 "	9 "
Total	30½ miles.	135½ miles.	166 miles.
Telephone		56¼ "	56¼ "
Total miles of wire		191¾ miles.	222¼ miles.

FIRE ALARM SIGNAL BOXES IN USE.

Gamewell F. A. Tel. Co.	46
Utica "	9
Interstate "	7
Pearce & Jones, F. A. Tel. Co.	1
Allen	164
Total	230

Appendix to Report of Fire Commissioners, 1889.

DISBURSEMENTS SINCE 1874.

Year.	Cadets.	Members.	Stations.	Disbursements.
1874	2	116	10	$ 161,991 61
1875	54	98	11	170,976 59
1876	.....	143	11	149,894 72
1877	.....	143	13	156,019 12
1878	.....	143	13	159,970 44
1879	.....	142	13	151,792 99
1880	.....	142	13	148,426 60
1881	.....	142	13	148,703 43
1882	.....	151	14	160,881 08
1883	.....	157	14	166,583 55
1884	.....	161	15	198,201 07
1885	.....	171	15	218,611 05
1886	.....	179	16	222,065 21
1887	.....	179	16	217,055 20
1888	23	176	16	234,114 34
1889	42	170	17	265,704 91

RECORD OF FIRES IN 1889, WHEN THE LOSS IS $1,000 OR MORE.

Date.	Box.	Names.	Character.	Cause.	Loss.
January 13	19	Streibinger Brothers	Brick block	Defective furnace	$ 6,800 00
13	19	Perkins Lock Co.	Occupant		25,000 00
13	19	George Wilson	Cigars		1,000 00
19	431	N. O. L. Asylum	Brick laundry	Unknown	4,400 00
22	388	Standard Oil Co.	Still house	Connecting break	10,000 00
February 7	172	Beckmen, Senior	Blanket mill	Unknown	80,000 00
7	172	F. Muhlhauser	Woolen mill	Communicated	4,000 00
7	172	John Rada	Dwelling	"	1,000 00
15	42	Grief Brothers	Cooper shop	Carelessness	3,200 00
24	314	W. H. Van Tine	Tenement house	Defective furnace	3,500 00
March 9	343	W. H. Cowley	Dwelling	Unknown	1,100 00
April 23	56	C. H. Strong & Son	Mud dredge	"	1,500 00
25	46	Isaac Leisy & Co	Brewery	Boiling over of pitch	6,500 00
30	57	Monroe Brothers	Factory	Unknown	26,283 24
May 4	157	Dry Dock Co.	Frame barn	Incendiary	1,069 30
June 23	434	John Schmalth	Saloon	Unknown	5,000 00
28	343	Latimer & Moore	Planing mill	"	4,424 00
30	3	Academy of Music	Theatre	"	6,000 00
July 5	45	Oppman's Brick	Brewery	"	14,080 00
7	32	Aaron Rosenstein	3 dwellings	"	2,000 00
20	388	Globe Oil Co.	Oil tank	Overheating	7,000 00

RECORD OF FIRES IN 1889—*Continued.*

Date.	Box.	Names.	Character.	Cause.	Loss.
August 6	143	Dan. Dunn	Barn	Incendiary	$ 2,200 00
23	346	J. Hawley	Dwelling	Unknown	1,000 00
28	46	Isaac Leisy & Co	Brewery	Carelessness	7,800 00
September 12	124	Kelly Island Lime Co	Steam barge	Unknown	4,000 00
25	79	H. B. Payne	Brick building	Combustion	2,000 00
25	79	Goldstein & Co	Rags	"	1,000 00
October 8	5	Clark estate	Brick block	Unknown	2,900 00
8	5	William Edwards & Co	Groceries	"	50,000 00
23	381	John Rock	Brick block	Carelessness	2,100 00
23	381	Hexter	Dry goods	"	4,500 00
23	381	Bender	Boots and shoes	"	2,260 00
27	246	National Carbon Works		Leaky oil pipe	40,000 00
30	245	St. Clair Street R. R. Co	Barns	Unknown	2,271 00
November 7	58	Lawrence, Ringer & Harrison	Paint works	"	16,000 00
20	61	Smith & Teachout	Boiler shop	"	3,500 00
30	342	Stone Brothers	Rag warehouse	"	2,000 00
December 3	62	Standard Oil Co	Tin shop	"	1,200 00
4	218	L. S. & M. S. R. R. Co	Box car	"	1,215 00
6	316	L. M. Southern	Dwelling	"	8,000 00
20	9	Upson, Walton & Co	Brick block	"	1,000 00

Twenty-six Board Meetings During the Year 1889.

January 3.—Pay roll and claims ordered paid. Frank McKenna's resignation accepted. Frank Barnett promoted to Ass't Engineer. Rule 47 amended—That the House Watch upon receiving an alarm shall distinctly and immediately announce box and location. The Surgeon was instructed to examine Walter Harris. A three-horse Russian Hitch ordered for Engine No. 16. The Chief was instructed to procure the necessary telegraph instruments for the new house.

January 17.—The Chief recommends that a Pilot be employed on the Fire Boat. Mathew Miller's resignation accepted. An Alarm Box allowed on Tyler's Wire Works. The Chief reports that the Fire Alarm Telegraph System is no good. Furniture ordered for the new house. Committee appointed to purchase a lot. Gross, Mayor and Chief. No. 7 asks for a new hose tower. A committee of three appointed to better the condition of the Telegraph System. S. T. Dwyer employed as a pilot. John Grady appointed Captain. Frank Fish appointed Lieutenant. R. D. Jones appointed an Engineer. C. F. Coolidge appointed Ass't Engineer. Joseph Rothgery appointed Chief Operator. J. W. Dickinson appointed Supt. Fire Alarm Telegraph, *defacto.*

February 7.—A new heater was ordered for the new house. A resolution was offered to raise the salaries of the operators and linemen. The Russian Hitch on 13's engine reported broken.

February 14.—Committee report adversely to allowing pay to the operators for time while absent from duty. The ordinance to extend the Fire Limits referred. A hose tower ordered built in Engine House No. 7. The Veterinary asks for an increase in his salary. The resolution to increase the pay of the operators referred. Commissioner Jones offers a resolution to change the location of the proposed engine house. A petition received from the residents on Willson avenue protesting against the erection of an engine house on a lot about to be purchased on that avenue. Mr. N. A. Gilbert appears before the Board in behalf of the interested property owners in that locality, and opposes the location of the contemplated house by the Board.

February 21.—F. Muhlhauser & Co. ask for a Fire Alarm Box to be placed on their works. The Solicitor reports an ordinance prepared to purchase a lot. Esterle reported as having received injuries while working on the fire at the Northern Ohio Mills. C. E. White ordered to the Fire Alarm Telegraph Office to do duty as operator. Salaries of the operators raised to $85.83 per month. S. H. Kavanaugh and Maurice Butler appointed Lieutenants. Proposals from the Gamewell Fire Alarm Telegraph Co. to furnish Signal Boxes accepted. Thomas Axford, John T. Graham, Jacob Lohrer, Tony Dreschler, John Ochs, Harry Bowen, John H. Carroll, George Herr, John A. MacFeelers, and Martin Armstrong were appointed Cadets.

March 7.—Minutes of February 21st were objected to by Commissioner Forsyth on account of the raise in salaries. Peter Zucker made some remarks relative to the case of Reif vs. The City. Mr. Gross offers a motion that Reif be paid in accordance with the decision of the court. Mr. Forsyth enters a protest. The pay-roll objected to by Messrs. Black and Forsyth. Assistant Chief Cavanah asks for a new wagon. The Store Keeper wants his room enlarged. Rothgery asks for 22 miles of copper wire. Dr. Travis asks for an increase in his salary. Engine House No. 16 accepted. H. A. Bowen's resignation accepted. John J. Deinst appointed a cadet.

March 8.—The City Solicitor decided that the Pay Roll was in legal form and it was ordered paid. Peter Zucker was instructed to

appeal from the decision of Judge Noble in the case of Reif vs. The City. Comm'r Gross enters a protest. Frank E. Davis and Walter Harris were relieved from active duty in the department. 250 copies of the Annual Report ordered printed.

March 21.—Several Alarm Boxes asked for. The hose wagon at 9's house reported as having been capsized. Capt. Ney asked for a new heater. Section of hose reported cut by a switch engine running over it on the C. & P. R. R. track. Murphy asked for a new testing pump. The Board discussed the propriety of purchasing a lot on East Prospect street.

April 4.—Pay Roll and claims ordered paid. Walter Harris having been re-examined by the Surgeon, was retired from all active service in the department. A new set of engine wheels were ordered purchased. A resolution was adopted extending a vote of thanks to the retiring President, Hon. B. D. Babcock, for the faithful performance of his duties. The resolution instructing Peter Zucker, Esq., to appeal the Reif case vs. The City, was rescinded.

May 2.—Organization of the new Board, with Hon. Geo. W. Gardner as President *ex officio*. Pay Roll and claims ordered paid. A collision reported between hose wagon and engine. The death of William Hervey reported. The Chief authorized to engage a Pilot at $80. A bell and flag ordered for Engine House No. 16. The Chief was instructed to employ three men to string new wire. The Surgeon was instructed to report in full on the case of David M. Jones. Arthur S. Pickering and Harry E. Pyke were appointed Cadets.

May 16.—Dr. Travis reported D. M. Jones partially permanently disabled to do fire duty. John McNanie was discharged. The Postal Telegraph Cable Co. propose to build a line. Standing Committee appointed—Black on Supplies, Gross on Buildings and Repairs, Andrews on Horses and Horse Feed, Jones on Men and Discipline, and Wagner on Engines and Apparatus.

June 6.—A new supply wagon was ordered. Capt. R. Gorman reported as having received injuries from a fall through a hatchway.

Charges preferred against Capt. W. B. Crane for running away with salaries belonging to the members of Engine Co. No. 12. A new exercise wagon ordered purchased for Engine House No. 16. A committee was appointed to investigate and report the propriety of building a hospital for sick horses. Legal claims for back pay on account of sickness were ordered paid. Theodore Jirle, Patrick V. Grinly, Ernest Woolway, Chas. B. Collins, Edward Mann, Andrew Trombach, were appointed Cadets.

June 20.—A new wagon for Supply No. 4, was ordered. Cleveland Electrical Co. granted permission to put a Time Dial in the office. The house on the lot recently purchased on Windsor avenue ordered sold. Capt W. B. Crane dishonorably discharged. Schedule of Salaries adopted, as follows:

	PER MONTH.	PER YEAR.
Chief, Jas. W. Dickinson	$208 33	$2,500 00
1st Ass't Chief, H. H. Rebbeck	175 00	2,100 00
2nd " " Joseph Speddy	158 33	1,900 00
3rd " " A. A. Cavanah	150 00	1,800 00
4th " " Geo. A. Wallace	147 92	1,775 00
Secretary, A. J. Spencer	133 33	1,600 00
Supt. of Machinery, C. D. Murphy	108 33	1,300 00
Chief Operator, Joseph Rothgery	100 00	1,200 00
Captains, each	95 83	1,150 00
Lieutenants, each	85 83	1,030 00
Engineers, each	95 00	1,140 00
Ass't Engineers	85 00	1,020 00
Operators and Linemen, each	85 83	1,030 00
Store Keeper	85 00	1,020 00
Firemen, each	80 00	960 00

Cadets, $50 per month for the 1st six months; $60 per month for the 2nd six months; $65 per month for the 3rd six months; $70 per month for the 4th six months; $75 per month for the 5th six months. At the end of 30 months a Cadet becomes a Fireman, and entitled to all the privileges of the same. Commissioner Jones presented a minority report with an increase of from $25 to $100 in some of the salaries. L. H. Waterbury was appointed Captain, and Chas. B. Whyler was appointed a Lieutenant.

July 18.—The horses of Steamer 13 ran out of Engine House No. 2 without a driver, doing some damage. The East Cleveland R. R. Co. petitioned for an Alarm Box where their road crosses Bolton avenue. Rule 132 amended by substituting the words "twenty-four" for the word "nineteen" in the second line, and by substituting the words "eight o'clock, A. M." for the words "one o'clock P. M." in the third line. A new house ordered built for the men on the Fire Boat. The Secretary authorized to advertise for proposals to furnish coal. The Store Keeper allowed his time on Sundays. David M. Jones relieved from active duty in the department. Bond given by the Interstate Fire Alarm Company and five signal boxes ordered paid for. Petition was received from several residents to reinstate Philip Droz as a member of the department. Examination of David M. Jones.

August 1.—Pay Roll and claims ordered paid. New wheels and axle ordered for supply wagon No. 14. Carriage team at 13's house ran away, breaking the pole and injuring one of the horses. The Chief asked for 5,000 feet of 2½ inch hose. The proposals to furnish coal were read, and the coal ordered tested. Back Pay Roll was presented and a motion to pay was lost, lacking one vote.

August 15.—No quorum.

August 22.—A new floor was ordered for H. & L. Co. No. 1. Engine House No. 13 ordered painted. An Ordinance to approve the Rules of the Department sent to the Council. Lamson & Sessions asked for an Alarm Box on their works. The Back Pay Roll ordered paid. Mrs. Adele Ann King commenced proceedings in the Court of Common Pleas against the Board of Pension Trustees for money only, claiming that she and her children are entitled to a pension. Supt. of Machinery reported that he had made a test of coal. An attempt made to award the contract failed.

September 2.—Pay Roll and Claims approved and ordered paid.

September 5.—Theo. Jirle reported as having been thrown from a horse and injured. Supt. of Machinery asked for two new suctions. Coal contract awarded to Gallagher & Co., and Ohio, Penn. Coal Co., one-half to Gallagher & Co., @ $2.73, and one-half to Ohio & Penn.

Coal Co., @ $2.65. Orders emanating from the Department Physician was ordered obeyed and rule 187 was amended requiring the physician to make no charges for attending the members. His salary raised to $900 per year.

September 19.—Contract for Hose awarded to

American Fire Hose M'f'g Co., .	1,500 feet of American	@ 60 cents.
Fabric Fire Hose Co., ...	1,500 " D. & L.	@ 65 "
Ohio Rubber Co., ...	1,000 " Empire Jacket	@ 55 "
N. Y. Woven Hose Co., ...	500 " Regal,	@ 68 "
Boston Woven Hose Co., . . .	500 " Tiger,	@ 60 "

Dan Henderson was employed as Pilot. A new hose wagon ordered for Engine House No. 12.

October 3.—Pay Roll and Claims ordered paid. James Freeman reported as having sprained his ankle. 1st Ass't Chief asked to have a leather top put on his buggy. H. Rosenbleuth offers to donate $25 to Pension Fund, for the use of a truck and engine in a street parade. Petition from the Trustees of the 27th Ward House to move said house on to the lot at Engine House No. 13, and donate said house to the department. Proposals to furnish towels laundried. A copy of a "lost letter" read. The coal controversy. Resolution by Mr. Gardner—That hereafter all purchases for the department be made only by order from the Board. Adopted. A new gravel roof ordered to be put on Engine House No. 5. Samuel B. Allen presented claims for back pay. Not allowed.

October 17.—Poles reported broken at Nos. 5 and 7 houses. Reserve engine reported out of repairs. S. H. Kavanaugh summoned to appear before the Board and answer to questions relative to debts contracted.

November 4.—Pay Roll and Claims ordered paid.

November 21.—Engine No. 2 reported as having been capsized. Capt. John Moffett's resignation accepted. Morris Hawley appointed Captain. Murphy granted permission to move to Engine House No. 9. The Chief was instructed to detail a man to fill in for Ass't Chief Rebbeck during his absence. Two telephones and annunciator reported as having been burned out. Wire falling on motor line.

December 10.—Pay Roll and Claims ordered paid. The Captain of Engine Co. 6 reported the walls of the house cracked. The reservoir at the corner of Euclid avenue and Doan street ordered filled and abandoned. The Chief instructed to remove dead wires. 2,000 feet of flooring ordered. Change in the time of the Ass't Chief's "days off" made from 8 A. M. to 9 A. M.

December 16.--The resignation of Evan J. Howells accepted. Michael Nolan and Willis Hizer appointed Cadets. The Surgeon directed to report relative to Intemperance in the Department.

Report of D. L. Travis, Surgeon of the Cleveland Fire Department.

CLEVELAND, O., Feb. 6th, 1890.

James Dickinson, Chief Cleveland Fire Department:

SIR:—I have the honor to submit to you for consideration a report of the Medical services rendered for the year ending December 31st, 1889.

TABLE SHOWING INJURIES, DISEASES AND MEDICAL SERVICE.

During the year ending December 31, 1889.	Injuries.				Diseases.				Aggregate.				Medical Service.	
	No. Cases.	Time Lost.			No. Cases.	Time Lost.			No. Cases.	Time Lost.			No. Visits.	No. Consultations.
		Days.	Hours.	Min.		Days.	Hours.	Min.		Days.	Hours.	Min.		
	19	449	23	42	97	1,347	8	37	116	1,797	8	19	240	216

No. of applicants examined for cadets, 53. No. of applicants rejected, 17.

TABLE OF DISEASES AND INJURIES IN THE ORDER OF THEIR FREQUENCY.

	Diseases.			Injuries.
During the year ending December 31, 1889.	Neuralgia ..... 13 cases.	Migraine..... 3 cases.	Erysipilis Edipathic 1 case.	Contused wounds..... 7 cases.
	Remittent Fever..... 8 "	Acute Conjunctivitis..... 2 "	Erysipelas Traumatic..... 1 "	Lacerated " ..... 6 "
	Acute Indigestion... 8 "	Chronic Conjunctivitis..... 2 "	Spinal Irritation..... 1 "	Punctured " ..... 1 "
	Influenza ..... 7 "	Cephalgia..... 2 "	Tubercular Epidydimitis ..... 1 "	Incised " ..... 1 "
	Rheumatism ..... 6 "	Glandular Swelling 2 "		Fracture, simple..... ..... 1 "
	Congestive Chills..... 5 "	Sciatica..... 2 "	Traumatic Epidydimitis ..... 1 "	" compound..... 1 "
	Intermittent Fever.. 4 "	La Grippe..... 2 "	Entero Colitis..... 1 "	Burn..... ... . 1 "
	Lumbago..... 4 "	Acute Pharyngitis.... 1 "	Periostitis..... .... 1 "	Traumatic cellulitis..... 1 "
	Abscess..... 4 "	Gout ..... 1 "	Diphtheria..... 1 "	
	Chronic Laryngitis.. 3 "	Diarrhœa ..... 1 "	Jaundice ..... 1 "	
	Acute Bronchitis..... 3 "	Parasitic—skin disease ..... 1 "	Chronic Alcoholism 1 "	
	Tonsilitis... ..... 3 "	Debility..... . ..... 1 "	Inflamed Knee joint 1 "	
	Spasmodic Colic..... 3 "	Acute Laryngitis..... 1 "	Flatulent Colic..... 1 "	

There is one very important matter to which I desire to call your attention. It is in reference to intemperance in the department. I need not dwell upon the results, for you can readily see that if it is not called to a halt the end will be disastrous in the extreme. Already the pension trustees are the defendants in legal action for which intemperance is largely responsible.

It is not the man who takes a glass of beer or some other alcoholic drink to-day, and another in a few days, or a week following, and so on in this very moderate way, that is the most objectionable; nor is it the man who has the reputation for sobriety, that should perchance to take a glass or two and become intoxicated so as to become unable to perform his duties; for such a man may become sober, never drink again, and be none the worse physically. I say it is not this class of drinkers that we need fear the most; but it is the men who never permit the sun to rise and set without drinking a very liberal quantity of alchohol; men who keep themselves constantly under its effects, and just short of meeting the fate of the man who has been sober all his life before, and unfortunate enough to drink once, become drunk, and the charge of intoxication stand against him upon the records of this department for all time to come.

Intemperance to any degree is antagonistic to the welfare of any organization or municipal department, and should be wiped out. Statistics show that the average life of spirit drinkers is very short; therefore I earnestly request in the interests of the Cleveland Fire Department, and especially for the protection of its Pension Fund, that rigid rules be made and enforced that any member who may be found guilty of intoxication, or belonging to a class of moderate drinkers, be promptly discharged from the force.

There should be a committee appointed to inquire into the moral character of every applicant who seeks admittance into the department; in addition to this he should be taken for a period of six months or a year on probation, and if he be guilty of any immoral conduct during that time, should be dropped from the force.

If this be not done, the time is near at hand when the pension Fund, which was intended for the protection of those who become dis-

abled or die from the effects of disease or injury, contracted from *actual fire duty*, will be wholly inadequate to meet its just demands.

It has been clearly demonstrated that a fireman 5 feet 6 inches in height is not tall enough and cannot be used to advantage; instead of weighing two pounds to the inch, he should weigh two and a quarter pounds to the inch.

I recommend that the required height be not less than five feet and seven inches, and for that height the weights should be one hundred and fifty (150) pounds, with a chest measurement of thirty-three and one-half (33½) inches.

In conclusion, I desire to extend to you my thanks for the courtesy I have received at your hands.

It is especially gratifying to have your endorsement to any measure of reform.

Yours very respectfully,

D. L. TRAVIS, M. D.

H. B. No. 820.

AN ACT

To create and perpetuate a board of trustees of the Firemen's Pension Fund; to provide and distribute such fund for the pensioning of disabled firemen and cadet employes and the widows and dependent children, mothers or fathers of deceased firemen and cadet employes; to authorize the retirement from all service of disabled members and cadet employes and all members after a service of twenty-five years, and the pensioning of such members of the paid fire department; and for other purposes in connection therewith, in cities of the second grade of the first class, and to repeal the act of April 30th, 1886, creating such board.

SECTION 1. Be it enacted by the General Assembly of the State of Ohio, That the mayor, city solicitor, and director or person or persons having charge or control of the fire department in any city of the first class, second grade, and three other persons members of the fire department in such cities elected as hereinafter provided, and the successors of each of the above, shall constitute and be the trustees for the distribution of the pension fund now existing or hereafter provided, and shall be called the "board of trustees of the Firemen's Pension Fund."

SECTION 2. Six members of the fire department shall be nominated for such office of trustee in a convention to be composed of one delegate from each fire company, fire alarm telegraph company, and from the general office belonging to the fire department of any such cities, and called by the chief of such fire department, and convened at least two weeks prior to the election of such trustees. That such

election shall be held in the respective houses or headquarters of such fire companies, telegraph department and general office, and be by ballot cast by the members of the said fire department between the hours of nine o'clock in the forenoon and six o'clock in the afternoon on the first Tuesday of January in each and every year hereafter, but the present trustees of the fire department shall serve out the term for which they were elected. That every such member shall be entitled to cast only one ballot, and no ballot shall contain the names of more than three persons, and the three persons receiving the highest number of votes shall be declared elected as such trustees, and hold their office until their successors are duly elected. That the officer in command of any such company, on the day of and immediately after holding such election, shall canvass, count, and certify in writing the number of ballots cast and the votes received by each candidate for the office of trustee. After signing such certificate, said officer in command shall at once address and deliver the same to the secretary of the said board of trustees. That the president and secretary of the said board of trustees shall together, within three days after receipt of such certificates by said secretary, open the same and ascertain, and determine the total number of votes so cast at said election for the different persons for the office of trustee, as returned by the said officer in command, and under the respective hands of such president and secretary, issue certificates of their election to the three persons elected as such trustees. In case of a tie vote being received by any two persons for the office of said trustee, such tie vote shall be decided by casting lots or in any other way which may be agreed upon, by and between the persons for whom such tie vote was cast. No election shall be set aside for want of formality in balloting by such members, or certifying or remitting the returns of any such election by said officer in charge.

SECTION 3. The mayor, and secretary of the fire department in such cities shall also be respectively the president and secretary of the said board of trustees of the Firemen's Pension Fund. It is hereby made the duty of the secretary to keep a full record of all the proceedings of the said board of trustees, and the board shall make all need-

ful rules and regulations for its government in the discharge of its duties, and shall hear and determine all applications for relief or pensions under this act.

SECTION 4. That the county treasurers of the counties containing a city of the second grade of the first class shall semi-annually, at the time of their semi-annual settlement with the auditors of their respective counties, pay over to the treasurer of such cities one-half of the amount under his annual levy of all the taxes paid into the treasury of such county by insurance companies incorporated by the authority of any other state or government and doing business in any such cities, on the gross receipts of every such insurance company under and by virtue of the provisions of section 2745 of the Revised Statutes during the half year preceding such semi-annual settlement, and the money so paid over to such city treasurer shall, together with the amount heretofore so paid, constitute a pension fund for the purposes and objects hereinafter set forth.

SECTION 5. In case any such insurance company shall fail to make return to the office of the auditor of the county in which the office or agency of such insurance company may be kept, in the month of May, annually, the amount of gross receipts of such agency for entry upon the tax list of the proper county, such auditor shall forthwith give notice of such failure to the superintendent of insurance, and said superintendent shall, upon the receipt of such notice from said auditor, forthwith revoke and recall the license and authority to such insurance company to do or transact business within this state. And no renewal of authority shall be granted to such insurance company for three years after such revocation, and it shall be prohibited from transacting any business in this state until again duly licensed and authorized so to do, and the said returns shall have been duly made. In each and every case of the failure of the said auditor to give such notice to said superintendent of insurance, such auditor shall forfeit and pay to said city for the use and benefit of the said pension fund, the sum of one thousand dollars, such forfeiture to be recovered of said auditor in an action at law therefor, brought against

him by any person, in the name of any such city, and before any court of competent jurisdiction.

SECTION 6. That it shall be the duty of the said auditor to make out and deliver to the said board of trustees, annually, on the first of July, in each and every year hereafter, a correct statement of the name and the agent's name of every such insurance company so doing business in said city, together with the amount of the gross receipts of every such insurance company as returned by said agent or company to said auditor for the year previous to such first day of July. In case of the failure of said auditor to so make out and deliver to the said board of trustees any such annual statement at the time named in each and every year hereafter, such auditor shall forfeit and pay to said board of trustees for the use and benefit of the said pension fund, the sum of five hundred dollars. Said forfeiture to be sued for and recovered of such auditor in an action at law brought against him by any person, in the name of any such city, and before any court of competent jurisdiction.

SECTION 7. That it shall be the duty of the treasurer of the said county to make out and deliver to the said board of trustees on the first days of January and July, in each and every year hereafter, a statement of the name of every such insurance company doing business in the said city, together with the amount of the taxes paid into the treasury of such county by such insurance company for the year, or part thereof, prior to the making and delivery of such semi-annual statement of such treasurer to such board of trustees. And in case of the failure of said treasurer to so make out and deliver such semi-annual statement to the said board of trustees at the times named in each and every year hereafter, such treasurer shall forfeit and pay to said board of trustees for the use and benefit of said pension fund, the sum of five hundred dollars. Such forfeiture to be sued for and recovered against him in an action therefor, brought by any person, in the name of such city, before any court of competent jurisdiction.

SECTION 8. That the director, person or persons having control and charge of the fire service in said cities, may impose fines upon any member of the fire department in any such cities by way of disci-

pline or punishment; detain and collect the same from the pay or salary of such member, and such fines, together with all rewards in money, fees, gifts and emoluments that may be paid or given specially to said pension fund on account of extraordinary services by said fire department, or any member thereof, (except when allowed to be retained by such member, or given to endow a medal, or other permanent or competitive reward), and all proceeds of suits for penalties for the violation of any provision of any statute of this state or ordinances of said cities with the execution of which the said fire department or any of its officers or members is now or hereafter may be charged, and any license or other fees payable under the same, also all witness fees of every nature whatsoever, when the salary of any member of said fire department is not effected [affected] by its absence while serving as such witness, shall be paid to and received by the treasurer and applied by him to the said pension fund. And the said board of trustees may take by gift, grant, devise, or bequest, any money, real estate or personal property, right of property or other valuable thing, and such money, real estate or personal property, right of property, or other valuable thing so obtained shall in like manner be paid to and applied by such city treasurer to the said pension fund, and also to the use of such fund by deposit, investment or profit as hereinafter provided, or as such board of trustees shall direct.

SECTION 9. That every member or cadet employe of said fire department shall be assessed a portion of his salary, and such assessment shall not be less than one-half of one per centum or more than one per centum of his compensation, and all such assessments shall be applied to the pension fund, provided, however, that in no case shall the assessment of any one person exceed fifteen dollars per annum. The board of pension trustees shall have discretionary power to fix the rate of assessment within the limits herein prescribed. The secretary of the fire department shall place opposite the name of every member of the fire department and cadet employe on the pay roll the amount of the assessment on each individual's salary, and the city treasurer shall, monthly, deduct from the salary of every member of the said fire department and cadet employe the sum set opposite his

name, and shall deposit the same to the credit of the pension fund.

SECTION 10. That the treasurer of every such city shall be the custodian of such pension fund, and for the faithful performance of his duties as herein provided, he shall be held under his official bond given to such city as now provided for by law.

SECTION 11. That the said board of trustees shall draw such portion of said pension fund from the treasury of such city as it shall deem advisable, and invest the same in the name of the "Board of Trustees of the Firemen's Pension Fund" in interest bearing bonds of the United States, the state of Ohio, or any county in this state, or of said cities, or of any township, incorporated village or other municipal corporation in the said state of Ohio, or without the state when the power to issue such bonds is derived from either general or special legislative authority. The president and secretary of such board shall collect the interest on all bonds and place the same to the credit of the said fund. That the said bonds shall, before the same are issued to the said board of trustees, be registered in the office of the treasurer of the United States or state of Ohio, county, city, township, incorporated village or other municipal corporation in this state or other states issuing the same, and bear upon their face the printed or legibly written fact of such registry, together with the book and page and date and place of such registry. The said board of trustees shall make report to the council of the condition of said pension fund on the first day of January in each and every year.

SECTION 12. If any member or cadet employe of the said fire department of any such city, shall, while in the performance of his duty, become or be found upon examination by a medical officer ordered by the director, person or persons having charge and control of the fire department in such city, to be physically or mentally permanently disabled so as to render necessary his retirement from all service in the said fire department, such director, person or persons having charge of said fire service shall retire such permanently disabled person from all service in said fire department, and the board of trustees of the pension fund shall authorize the payment to such permanently disabled person, monthly, from the pension fund, the sum

provided in section 14 of this act, according to compensation and term of service in said fire department. When any member of said fire department, or retired member on the pension fund thereof dies from any cause whatever and leaves a widow, child or children under sixteen years of age, the board of trustees shall authorize the payment to such widow, while unmarried, and child or children under sixteen years of age, monthly, from the pension fund, the sum or sums provided in section 14 of this act, according to compensation and term of service of such deceased member in said fire department; or if any deceased member shall leave a dependent mother or father, upon satisfactory proof that such mother or father was dependent upon said deceased member of the fire department, the board of trustees shall authorize the payment to such dependent mother or father, monthly, from the pension fund, the sum provided in section 14 of this act according to compensation and term of service of such deceased member in said fire department; provided, however, that no pension shall be paid to the mother or father of a deceased member who leaves a dependent widow; and if the widow of any deceased member shall re-marry, her pension shall cease. If any member or cadet employe of such fire department who has been in the service of the department less than ten years, shall, while in the performance of his duty in said fire department, be killed or receive an injury that results in his death, if such killing or such fatal injury is clearly and conclusively proven, the board of trustees shall authorize the payment to the dependent widow, child or children under sixteen years of age, mother or father, monthly, from the pension fund the sum or sums as provided for dependents of deceased members between ten and twenty-five years in the service, in section 14 of this act. If any member or cadet employe of such fire department who has been in the service of the department less than ten years, shall, while in the performance of his duty in said fire department, become so crippled by an accident as to constitute a permanent total disability, the director, or person or persons in charge of the fire service, shall, upon clear and conclusive proof that said disability was caused by an accident received while in the actual performance of his duty, retire such

permanently disabled member, and the board of pension trustees shall authorize the payment to such disabled member the sum as provided for permanently disabled members of the fire department in the service between ten and twenty-five years, in section 14 of this act.

SECTION 13. That if at any time there should not be sufficient money or bonds to the credit of said pension fund to pay to each person entitled to the benefit thereof the full amount per month as hereinbefore stated, then, and in that event, an equal percentage of said monthly payments shall be made to each beneficiary thereof, until said fund is so replenished as to warrant payment in full to each of said beneficiaries.

SECTION 14. The sums to be paid to permanently disabled members and cadet employes and the widows and orphans, or dependent mothers or fathers of deceased members, shall be as follows: Those in the service of said fire department under five years, upon retirement, shall receive, monthly, an amount equal to one-eighth of the salary received by them at the time of their retirement, and in the event of their death while in the service of the department or after retirement, their widows, while unmarried, shall receive five dollars per month, and their children under sixteen years of age, three dollars per month each; those in the service of the paid fire department over five and under ten consecutive years shall, upon retirement, receive three-sixteenths of their salary, per month, and in the event of their decease while in the service of the department or after retirement, their widows shall receive ten dollars per month and their children under sixteen years of age four dollars per month each; those in the service of the paid fire department over ten and under twenty-five consecutive years shall, upon retirement, receive ten-sixteenths of their salary, per month, and in the event of their decease while in the service of the fire department or after retirement, their widow shall receive twenty dollars per month and their children under sixteen years of age six dollars per month each; those in the service of the paid fire department twenty-five consecutive years or over, shall, upon retirement, receive eleven-sixteenths of their salary per month, and in the event of their decease while in the service of the department or after retirement, their widows

shall receive twenty-five dollars per month, and their children under sixteen years of age seven dollars per month. Any member of such paid fire department who has been in the service of said paid fire department twenty-five years, the last twelve years consecutively, upon making written application to the director, person or persons having charge of the fire service, at his own option, may, without medical examination, be retired from all service in said fire department, and upon such retirement the board of pension trustees shall authorize the payment to such retired member, monthly, from the pension fund, an amount equal to ten-sixteenths of his salary at the time of retirement. Any member of such fire department who has been in the service of said paid fire department thirty years, the last twelve years consecutively, may, upon making written application to the director, person or persons in charge of the fire service in such city, retire at his own option without medical examination, and the board of pension trustees shall authorize the payment to such member so retired, monthly, from the pension fund a sum equal to eleven-sixteenths of his salary at the time of retirement. The pension of the dependents of such retired member shall be the same in case of death after retirement as provided for dependents of those who die in the service or after retirement, but the member so retired without special disability shall always receive the same amount of pension as when he retired. In no case shall the amount of any pension exceed seventy-five dollars per month, except the pensioner shall have been in the service of said fire department thirty years, the last twelve consecutively, and in that event they shall receive eighty dollars per month, when eleven-sixteenths of their salary equals that sum, but no more. The pension of the dependent mother or father of a deceased member who dies in the service of the fire department shall be the same as that provided for his widow. That any member who may be discharged from the fire department after having served not less than twenty-two consecutive years, shall be placed on the pension roll at six-sixteenths of his salary at the time of his discharge, provided such discharge is for any other offense than dishonesty, intoxication, or a criminal act, and in the event of the death of such member after retirement if he leaves a widow or dependents

they shall receive the amounts provided for the dependents of those as in sections twelve and fourteen of this act. In no case shall the board of trustees depart from the provisions of this section in authorizing the payment of pensions.

SECTION 15. This act shall apply to all persons receiving pensions from the Firemen's Pension Fund of such cities, who have been placed on such pension fund under any former law or laws, except widows or children of deceased members of such fire department, who shall receive the same as they were receiving at the time of the passage of this act. And in any application for pension now pending before the board of trustees, the board herein created may, in its discretion, place such dependents in the class of pensioners as provided in sections 12 and 14 of this act.

SECTION 16. That the payment of the said pensions shall be made by drafts drawn by the order of said board of trustees, signed by the president and countersigned by the said secretary; but nothing in this act contained shall render any payment of such pension obligatory upon the said board of trustees or any member thereof or chargeable as a matter of legal right, and the said board of trustees may at any time order such pension to be reduced or cease, and the decision of the board on all applications for relief or pensions shall be final and conclusive, and not subject to review or reversal except by such board.

SECTION 17. That no portion of the said pension fund shall, either before or after its order of distribution by the said board of trustees to such disabled member of said fire department or to the widow or guardian of child or children or to the dependent mother or father of a deceased or retired member of such department, be held, seized, taken, subjugated to, detained or levied on by virtue of any attachment, execution, injunction, writ, interlocutory or other order or decree, or any process or proceedings whatever issued out of or by any court in this state for the payment or satisfaction, in whole or in part, of any debt, damages, claim, demand, judgment, fine or amercement of such member, or his said widow, or the guardian of child or children, or of the dependent mother or father of any deceased mem-

ber; but the said funds shall be sacredly held, kept, secured, promoted and distributed for the purpose of pensioning the persons named in this act and for no other purpose whatever. Provided, the said board may expend annually not to exceed fifty dollars from such fund, for the necessary expenses connected therewith.

SECTION 18. That an act passed April 30th, 1886, creating such board of trustees and all acts or parts of acts inconsistent with this act be and the same are hereby repealed.

SECTION 19. This act shall take effect and be in force from and after its passage.

NIAL R. HYSELL,
Speaker of the House of Representatives.

WILLIAM V. MARQUIS,
President of the Senate.

Passed April 18, 1890.

UNITED STATES OF AMERICA, OHIO,
Office of the Secretary of State.

I, DANIEL J. RYAN, Secretary of State of the State of Ohio, do hereby certify that the foregoing is an exemplified copy, carefully compared by me with the original rolls now on file in this office, and in my official custody as Secretary of State as required by the laws of the State of Ohio, of an Act passed by the General Assembly of the State of Ohio, on the 18th day of April, A. D. 1890.

[SEAL.]

In Testimony Whereof, I have hereunto subscribed my name, and affixed my Official Seal, at Columbus, the 19th day of April, A. D. 1890.

DANIEL J. RYAN,
Secretary of State.

City Treasurer's Report.

Report of the City Treasurer.

CLEVELAND, O., January 6, 1890.

To the Honorable City Council:

GENTLEMEN: Herewith I beg to submit detailed statements of the receipts and disbursements of the various funds of the city from January 1st, 1889, to January 1st, 1890. Also supplementary thereto, detailed statement showing the receipt and disposition of certain money known and referred to as belonging to the "Axworthy Fund," which was placed in my possession by Messrs. B. D. Babcock and J. L. Athey, respectively Mayor and Auditor of the city, for disbursement under the order and direction of the Honorable Board of Revision of the City of Cleveland.

Respectfully submitted,

E. H. BOURNE,

City Treasurer.

First Subdivision of Report.

OR.

BRIDGE.			
Balance January 1, 1889	$ 4,614 01		
Receipts	50,555 05	$ 55,169 06	
Disbursements		55,073 66	
Balance			$ 95 40
GENERAL.			
Balance January 1, 1889	51,521 19		
Receipts	177,904 50		
Transferred from Bond street repaving	7 22		
" Brayton street grading	5 40		
" Conrad street grading	61 64		
" Lincoln ave. grading, (Euclid to Cedar)	10 61		
" Lisbon street grading	13 89	229,524 45	
Disbursements		197,472 43	
Balance			32,052 02
HOUSE OF CORRECTION.			
Balance January 1, 1889	9,348 50		
Receipts	125,447 81	134,796 31	
Disbursements		132,278 82	
Balance			2,517 49
HOSPITAL.			
Balance January 1, 1889	695 00		
Receipts	13,158 87	13,853 87	
Disbursements		4,456 20	
Balance			9,397 67
INFIRMARY.			
Balance January 1, 1889	38,102 86		
Receipts	88,507 44	126,610 30	
Disbursements		101,397 95	
Balance			25,212 35

MARKET.			
Overdrawn January 1, 1889	$ 284 20		
Disbursements	15,220 84	$ 15,505 04	
Receipts		18,032 15	
Balance			$ 2,527 11
WATER WORKS.			
Balance January 1, 1889	59,338 78		
Receipts	478,996 18	538,334 96	
Disbursements		446,659 92	
Balance			91,675 04
PARK.			
Balance January 1, 1889	3,021 80		
Receipts	68,178 11	71,199 91	
Disbursements		68,631 96	
Balance			2,567 95
STREET INTERSECTION.			
Balance January 1, 1889	4,000 00		
Receipts	27,459 52	31,459 52	
Transferred to Lisbon street grading		10 41	
Balance			31,449 11
GLENDALE SEWER.			
Receipts	496 00		
Disbursements		392 17	
Balance			103 83
PLATT STREET OPENING.			
Receipts	350 00		
Disbursements		340 02	
Balance			9 98

HUNTING STREET GRADE.			
Independence to N. End.			
Receipts	$ 320 38		
Disbursements		$ 219 24	
Balance			$ 101 14
HIGGINS STREET GRADE.			
Lorain to Clark.			
Receipts	346 90		
Balance			346 90
HALSEY STREET SEWER.			
Cedar to 530 feet South.			
Receipts	309 58		
Balance			309 58
HARBOR STREET CURB.			
Franklin to Lorain.			
Receipts	1,958 09		
Disbursements		1,605 07	
Balance			353 02
HARVARD STREET GRADE AND CURB.			
Broadway to Woodland Hills.			
Receipts	326 79		
Balance			326 79
IONA STREET CINDERING.			
Clark to Storer.			
Receipts	347 61		
Balance			347 61

KIRTLAND STREET SEWER.			
Lake to Lake Erie.			
Receipts	$ 1,509 25		
Balance			$ 1,509 25
KING STREET CURB.			
Lawrence to Wason.			
Receipts	738 04		
Disbursements		$ 592 13	
Balance			145 91
LORAIN STREET SEWER.			
Geib to 1,800 feet West.			
Receipts	998 91		
Balance			998 91
LINDEN STREET CURBING.			
Scovill to Woodland.			
Receipts	786 98		
Disbursements		758 81	
Balance			28 17
LAKE STREET SEWER.			
Case to Wason.			
Receipts	1,730 00		
Disbursements		1,224 10	
Balance			505 90
LEXINGTON WIDENING AND CURB.			
Willson to Dunham.			
Receipts	303 07		
Balance			303 07

LAKE STREET CURB.			
Erie to Alabama.			
Receipts	$ 3,966 16		
Disbursements		$ 3,709 23	
Balance			$ 256 93
LIBERAL STREET SEWER.			
Broadway to Cherry.			
Receipts	14 03		
Balance			14 03
MAYFIELD SEWER.			
Euclid to City Limits.			
Receipts	1,612 72		
Disbursements		1,408 99	
Balance			203 73
MAYFIELD CURBING.			
Euclid to City Limits.			
Receipts	515 85		
Disbursements		512 87	
Balance			2 98
MERCHANT AVENUE SEWER.			
Willey to Auburn.			
Receipts	3,161 04		
Disbursements		2,180 89	
Balance			980 15
MERCHANT AVENUE SEWER.			
Willey to Cliff.			
Receipts	1,701 44		
Balance			1,701 44

MARGARET STREET SEWER.			
Kirtland to Willson.			
Receipts	$ 1,644 55		
Balance			$ 1,644 55
MERCHANT AVENUE CURBING.			
Auburn to Cliff.			
Receipts	126 40		
Balance			126 40
MORSE AVENUE GRADING.			
Euclid to East Prospect.			
Receipts	490 68		
Balance			490 68
ONTARIO STREET REPAVING.			
Lake to St. Clair.			
Receipts	8,577 39		
Disbursements		$ 6,393 98	
Balance			2,183 41
ST. CLAIR STREET REPAVING.			
Erie to Willson.			
Receipts	3,503 62		
Disbursements		200 00	
Balance			3,303 62
ST. CLAIR STREET SEWER.			
Receipts	23,649 00		
Disbursements		23,330 00	
Balance			319 00

CROSSWALK ACCOUNT.			
Receipts	$ 13,592 62		
Disbursements		$ 11,142 96	
Balance			$ 2,449 66
CALVERT STREET SEWER.			
Receipts	531 21		
Disbursements		388 78	
Balance			142 43
OAKDALE STREET SEWER.			
Cedar to Quincy.			
Receipts	4,525 50		
Disbursements		4,350 89	
Balance			174 61
PITTSBURGH STREET SEWER.			
Liberal to East Line of Jackson.			
Receipts	840 91		
Balance			840 91
PERRY STREET REPAVING.			
Euclid to Prospect.			
Receipts	4,352 12		
Disbursements		3,893 52	
Balance			458 60
PORTLAND STREET GRADING.			
Kennard to Willson.			
Receipts	639 52		
Disbursements		35 64	
Balance			603 88

PETRIE STREET GRADING.			
Fleet to Petrie Bridge.			
Receipts	$ 591 54		
Balance			$ 591 54
PROFESSOR STREET SEWER.			
Pelton to Starkweather.			
Receipts	2,020 36		
Balance			2,020 36
PERKINS STREET GRADING.			
Case to Willson.			
Receipts	815 25		
Balance			815 25
PETRIE GRADING AND CURBING.			
Broadway to 430 feet South of Clay Street.			
Receipts	30 49		
Balance			30 49
PAYNE AVENUE OPENING.			
Receipts	999 38		
Balance			999 38
RUGGLES STREET GRADING.			
Miles to Pratt.			
Receipts	219 52		
Disbursements		$ 159 17	
Balance			60 35
ROSSITER STREET GRADING.			
St. Clair to Superior.			
Receipts	112 66		
Balance			112 66

RAWLINGS STREET GRADING.			
E. M. to C. & P. R. R.			
Receipts	$ 142 35		
Balance			$ 142 35
RAWLINGS STREET GRADING AND CURBING.			
Herald to E. Madison.			
Receipts	13 04		
Balance			13 04
STATE STREET GRADING AND CURBING.			
Franklin to Detroit.			
Receipts	629 82		
Balance			629 82
STREET NORTH SIDE STERLING PLACE GRADE.			
Receipts	116 18		
Balance			116 18
SONORA STREET GRADING.			
Rossiter to Lawrence.			
Receipts	136 67		
Balance			136 67
SOUTH BELL AVENUE SEWER.			
Cedar to 1,650 feet South.			
Receipts	1,392 97		
Balance			1,392 97
SLATER AVENUE SEWER.			
Woodland to Outhwaite.			
Receipts	518 18		
Disbursements		$ 368 53	
Balance			149 65

SHIRLEY STREET GRADING.			
Sykora to Nuss.			
Receipts	$ 203 17		
Disbursements		$ 115 60	
Balance			$ 87 57
SHERIFF STREET PAVING.			
Huron to Bolivar.			
Receipts	342 25		
Balance			342 25
SHERIFF STREET PAVING.			
Prospect to Huron.			
Receipts	1,116 92		
Balance			1,116 92
SHERIFF STREET REPAVING.			
Euclid to Prospect.			
Receipts	107 45		
Balance			107 45
SUPERIOR STREET PAVING AND CURBING.			
N. Perry to Willson.			
Receipts	58 18		
Balance			58 18
TOWNSEND STREET GRADING AND CURBING.			
E. Madison to Edwards.			
Receipts	96 27		
Balance			96 27

VERMONT STREET GRADING AND CURBING.			
Pear to Hanover.			
Receipts	$ 1,300 25		
Disbursements		$ 292 00	
Balance			$ 1,008 25
VERMONT STREET SEWER.			
Pear to Hanover.			
Receipts	624 06		
Disbursements		460 82	
Balance			163 24
VIENNA STREET SEWER.			
Cedar to 1,620 feet South.			
Receipts	1,141 45		
Balance			1,141 45
WEIMER STREET GRADING AND CURBING.			
Kenyon to Fleet.			
Receipts	1,651 33		
Disbursements		1,399 48	
Balance			251 85
WATKINS STREET CURBING.			
E. Prospect to Cedar.			
Receipts	262 53		
Disbursements		238 82	
Balance			23 71
WILLEY STREET SEWER.			
Merchant to Pelton.			
Receipts	637 64		
Transferred from "Unclaimed Money"	108 97	746 61	
Disbursements		701 95	
Balance			44 66

WORTHINGTON STREET GRADING.			
Cliff to South End.			
Receipts	$ 105 12		
Disbursements		$ 88 46	
Balance			$ 16 66
WILLCUT STREET SEWER.			
Woodland to Beaver.			
Receipts	814 59		
Disbursements		686 10	
Balance			128 49
WALLINGFORD COURT SEWER.			
Burwell to Woodland.			
Receipts	740 17		
Disbursements		416 22	
Balance			323 95
WAVERLY AVENUE CURBING.			
Franklin to Bridge.			
Receipts	41 31		
Balance			41 31
WARING STREET SEWER.			
Payne to Perkins.			
Receipts	482 08		
Disbursements		302 13	
Balance			179 95
WOODLAND AVENUE SEWER.			
E. Madison to Woodland Hills.			
Receipts	7,457 13		
Balance			7,457 13

WARING STREET GRADING.			
St. Clair to Superior.			
Receipts	$ 91 44		
Balance			$ 91 44
WHITEHEAD STREET GRADING.			
Broadway to Harvard.			
Receipts	2 27		
Balance			2 27
QUIMBY STREET GRADING.			
Receipts	381 11		
Disbursements		$ 166 32	
Balance			214 79
VIADUCT CANAL SINKING.			
Receipts	2,261 61		
Disbursements		2,218 24	
Balance			43 37
LORAIN STREET GRADING.			
Receipts	691 04		
Disbursements		590 15	
Balance			100 89
FAIRMOUNT STREET SEWER.			
Receipts	315 00		
Disbursements		268 45	
Balance			46 55
PROSPECT STREET REPAVING.			
Receipts	1,184 34		
Balance			1,184 34

DETROIT STREET REPAVING.			
Receipts	$ 2,906 95		
Balance			$ 2,906 95
DIX STREET SEWER.			
Receipts	370 00		
Disbursements		$ 293 90	
Balance			76 10
NEWARK GRADING AND CULVERT.			
Receipts	1,001 75		
Disbursements		881 21	
Balance			120 54
CARROLL STREET PAVING.			
E. Line York to Pearl.			
Receipts	3,600 00		
Disbursements		3,337 81	
Balance			262 19
BURTON STREET GRADING.			
Receipts	363 42		
Disbursements		323 29	
Balance			40 13
WELLESLEY SEWER.			
Receipts	322 07		
Disbursements		287 50	
Balance			34 57
GARDEN STREET PAVING.			
Receipts	25 08		
Balance			25 08

SAWTELL SEWER.			
Woodland to Picnic.			
Receipts	$ 4,900 00		
Disbursements		$ 4,006 93	
Balance			$ 893 07
MIDDLE STREET GRADING DAMAGES.			
Receipts	4,450 98		
Disbursements		3,473 80	
Balance			977 18
GRAND AVENUE OPENING.			
E. Madison to Beaumont Allotment.			
Receipts	980 57		
Disbursements		744 29	
Balance			236 28
SEWER DISTRICT NO. 5.			
Overdrawn January 1, 1889	13 60		
Disbursements	7,316 25	7,329 85	
Receipts		12,983 87	
Balance			5,654 02
SEWER DISTRICT NO. 12.			
Overdrawn January 1, 1889	68 35		
Disbursements	88 59	156 94	
Receipts		3,987 33	
Balance			3,830 39
SEWER DISTRICT NO. 15.			
Balance January 1, 1889	26,593 09		
Receipts	91,867 81	118,460 90	
Disbursements		23,437 75	
Balance			95,023 15

SEWER DISTRICT NO. 4.			
Receipts	$ 4,349 77		
Disbursements		$ 543 28	
Balance			$ 3,806 49
SEWER DISTRICT NO. 9.			
Receipts	3,549 73		
Disbursements		441 36	
Balance			3,108 37
SEWER DISTRICT NO. 11.			
Receipts	5,464 40		
Disbursements		4,408 45	
Balance			1,055 95
SEWER DISTRICT NO. 18.			
Receipts	4,689 30		
Disbursements		325 04	
Balance			4,364 26
SEWER DISTRICT NO. 17.			
Receipts	4,833 69		
Disbursements		3,144 09	
Balance			1,689 60
SEWER DISTRICT NO. 2.			
Receipts	5,586 24		
Disbursements		1,044 26	
Balance			4,541 98
SEWER DISTRICT NO. 6.			
Receipts	16 29		
Disbursements		13 18	
Balance			3 11

SEWER DISTRICT NO. 8.			
Receipts	$ 324 87		
Disbursements		$ 114 89	
Balance			$ 209 98
FOWLER STREET SEWER.			
Receipts	1,027 09		
Disbursements		471 36	
Balance			555 73
SCRANTON AVENUE SEWER.			
Receipts	326 00		
Balance			326 00
STREET S. SIDE STERLING PLACE GRADE.			
Receipts	71 40		
Balance			71 40
ANSEL STREET CURBING.			
Doan to Republic.			
Receipts	597 21		
Disbursements		443 58	
Balance			153 63
AUBURN STREET SEWER.			
Pearl to Scranton.			
Receipts	1,577 04		
Disbursements		1,491 41	
Balance			85 63
AUBURN STREET SEWER.			
Jennings to Merchant.			
Receipts	615 71		
Disbursements		355 11	
Balance			260 60

ARCH STREET SEWER.			
Croton to Burwell.			
Receipts	$ 284 99		
Disbursements		$ 200 93	
Balance			$ 84 06
BRAYTON STREET GRADING.			
E. End to W. End.			
Receipts	63 65		
Transferred to General Fund		5 40	
Balance			58 25
BOLTON AVENUE PAVING.			
Euclid to Cedar.			
Receipts	6,610 85		
Disbursements		5,795 06	
Balance			815 79
BOLTON AVENUE GRADING.			
Euclid to Hough.			
Receipts	3,370 83		
Disbursements		1,701 34	
Balance			1,669 49
BOND STREET REPAVING.			
Superior to Euclid.			
Receipts	410 97		
Transferred to General Fund		7 22	
Balance			403 75
BELDEN STREET SEWER.			
Superior to Payne.			
Receipts	3,155 75		
Disbursements		2,404 27	
Balance			751 48

BROOKER STREET GRADING.			
Cedar to Quincy.			
Receipts	$ 1,592 96		
Disbursements		$ 1,389 28	
Balance			$ 203 68
BUHRER SEWER.			
Scranton to Jennings.			
Receipts	3,028 23		
Balance			3,028 23
BOLTON AVENUE GRADING.			
Cedar to Quincy.			
Receipts	1,872 20		
Disbursements		990 46	
Balance			881 74
BURWELL SEWER.			
Forest to 30 feet West of Arch.			
Receipts	559 41		
Disbursements		251 29	
Balance			308 12
BIRCH CURBING AND CULVERT.			
Franklin to Detroit.			
Receipts	18 63		
Balance			18 63
CEDAR AVENUE SEWER.			
Willson to E. Madison.			
Receipts	5,800 47		
Balance			5,800 47

CEDAR AVENUE PAVING.			
Perry to Willson.			
Receipts	$ 44,376 00		
Disbursements		$ 37,703 69	
Balance			$ 6,672 31
CHERRY STREET SEWER.			
Perry to Liberal.			
Receipts	685 76		
Disbursements		555 58	
Balance			130 18
CLIFTON STREET SEWER.			
Payne to Kelly.			
Receipts	515 72		
Disbursements		259 75	
Balance			255 97
CRAWFORD GRADING AND CURBING.			
Genesee to Hough.			
Receipts	1,298 07		
Transferred from "Unclaimed Money" Account	58 53	1,356 60	
Disbursements		1,236 25	
Balance			120 35
OHIO STREET PAVING.			
Erie to Ontario.			
Receipts	4,829 57		
Disbursements		4,400 00	
Balance			429 57

CROSS STREET PAVING.			
Woodland to Broadway.			
Receipts	$ 3,109 76		
Disbursements		$ 1,856 39	
Balance			$ 1,253 37
COLOGNE STREET GRADING.			
Auburn to Lamoille.			
Receipts	311 21		
Balance			311 21
CANAL STREET REPAVING.			
Champlain to Michigan.			
Receipts	3,936 10		
Disbursements		3,764 04	
Balance			172 06
CHAMPLAIN STREET REPAVING.			
Water to Canal.			
Receipts	2,002 96		
Disbursements		1,738 29	
Balance			264 67
CASE AVENUE SEWER.			
Croton to Woodland.			
Receipts	1,589 56		
Disbursements		1,283 60	
Balance			305 96
CANAL STREET SEWER.			
Champlain to Michigan.			
Receipts	1,532 95		
Disbursements		1,003 51	
Balance			529 44

CANFIELD STREET GRADING.			
Davenport to St. Clair.			
Receipts	$ 121 56		
Balance			$ 121 56
CONRAD STREET GRADING.			
Chestnut Ridge to Higgins.			
Receipts	115 45		
Transferred to General Fund		$ 61 64	
Balance			53 81
CROTON STREET SEWER.			
Forest to Mayflower.			
Receipts	77 23		
Balance			77 23
CROTON STREET SEWER.			
Jackson to Mayflower.			
Receipts	64 15		
Balance			64 15
CORNELL STREET GRADING.			
Euclid to Catawba.			
Receipts	137 56		
Balance			137 56
CORTLAND STREET SEWER.			
Franklin to Lorain.			
Receipts	74 10		
Balance			74 10
CLARK AVENUE WIDENING DAMAGES.			
Pearl to Abram.			
Receipts	258 73		
Balance			258 73

CARROLL STREET SEWER.			
Receipts	$ 20 23		
Balance			$ 20 23
DAVIES STREET PAVING.			
Broadway to N. Y., P. & O. R. R.			
Receipts	4,383 50		
Transferred from "Unclaimed Money" Account	100 00	$ 4,483 50	
Disbursements		4,465 30	
Balance			18 20
SIDEWALK ACCOUNT.			
Receipts	19,334 54		
Disbursements		13,071 74	
Balance			6,262 80
DODGE STREET GRADING.			
Superior to Euclid.			
Receipts	1,532 46		
Disbursements		1,128 69	
Balance			403 77
DOAN STREET GRADING.			
Euclid to Anson.			
Receipts	671 33		
Disbursements		265 56	
Balance			405 77
DODGE STREET GRADING,			
Lake to Superior.			
Receipts	92 44		
Disbursements		62 44	
Balance			30 00

EMMETT STREET GRADING.			
Marquatt Alley N. of Jefferson.			
Receipts	$ 166 53		
Disbursements		$ 125 28	
Balance			$ 41 25
ELLSWORTH STREET OPENING.			
Lundy to C. & P. R. R.			
Receipts	1,092 23		
Disbursements		4 00	
Balance			1,088 23
ELTON STREET GRADING.			
Chestnut Ridge to City Limits.			
Receipts	74 05		
Balance			74 05
FAIRMOUNT STREET REPAVING.			
City Limits to Baldwin.			
Receipts	607 59		
Disbursements		8 55	
Transferred to "Unclaimed Money" Account		54 47	
Balance			544 57
FINNEY STREET GRADING.			
Hooker to 250 feet West of Alley.			
Receipts	288 70		
Disbursements		7 51	
Balance			261 19
GRAND AVENUE OPENING.			
East Line of B Allotment to E. Madison.			
Receipts	876 93		
Disbursements		788 48	
Balance			88 45

GENESEE STREET PAVING.			
Euclid to Hough.			
Receipts	$ 5,611 29		
Disbursements		$ 17 50	
Balance			$ 5,593 79
GRANT STREET SEWER.			
Cedar to Garden.			
Receipts	1,017 99		
Disbursements		639 95	
Balance			378 04
GROVE STREET SEWER.			
Croton to Orange.			
Receipts	423 25		
Disbursements		298 14	
Balance			125 11
HEISLEY STREET GRADING.			
Tod to Weimer.			
Receipts	285 60		
Disbursements		160 32	
Balance			125 28
CEMETERY.			
Balance January 1, 1889	1,765 97		
Receipts	27,407 17	29,173 14	
Disbursements		25,423 01	
Balance			3,750 13

EUCLID AVENUE REPAVING.			
Case to Willson.			
Balance January 1, 1889	$ 370 15		
Receipts	388 89	$ 759 04	
Disbursements		316 22	
Balance			$ 442 82
EUCLID AVENUE REPAVING.			
Fairmount to City Limits.			
Receipts	1,249 81		
Balance			1,249 81
KINSMAN STREET GRADING.			
Receipts	33,000 00		
Balance			33,000 00
VIADUCT SINKING.			
Balance January 1, 1889	389 75		
Receipts	1,988 25	2,378 00	
Disbursements		2,106 37	
Balance			271 63
BROADWAY REPAVING.			
From a Point 900 ft. E. of Independence to Meade.			
Receipts	21 20		
Balance			21 20
UNAPPORTIONED.			
Balance January 1, 1889	416 81		
Receipts	146,977 57	147,394 38	
Disbursements		1 50	
Balance			147,392 88

FRANKLIN AVENUE REPAVING.			
Circle to Waverly.			
Balance January 1, 1889	$ 101 62		
Balance January 1, 1890			$ 101 62
PITTSBURGH STREET GRADING.			
Liberal to Jackson.			
Receipts	762 38		
Disbursements		$ 606 30	
Balance			156 08
BROADWAY PAVING.			
Union to Miles.			
Receipts	118,879 47		
Disbursements		117,680 00	
Balance			1,199 47
BROADWAY PAVING.			
Ohio to Independence.			
Receipts	8,389 40		
Disbursements		7,500 00	
Balance			889 40
RESERVOIR STREET GRADING.			
Overdrawn January 1, 1889	143 21		
Disbursements	21 31	164 52	
Receipts		183 47	
Balance			18 95
PELTON AVENUE SEWER.			
Clifford to Starkweather.			
Overdrawn January 1, 1889	185 08		
Receipts		2,123 67	
Balance			1,938 59

SIBLEY STREET GRADING.			
Perry to Sterling.			
Balance January 1, 1889	$ 9 92		
Disbursements		$ 7 52	
Balance			$ 2 40
HILL STREET PAVING.			
Receipts	840 00		
Balance			840 00
SEWER DISTRICT NO. 7.			
Receipts	39,693 01		
Disbursements		39,130 46	
Balance			562 55
UNCLAIMED MONEY ACCOUNT.			
Receipts	11,770 61		
Transferred from Fairmount Street Replanking	54 47	11,825 08	
Disbursements		8,671 07	
Transferred to Sterling ave. curbing—*Prospect to Scovill*		122 91	
" Davies st. paving—*Broadway to R. R.*		100 00	
" Pittsburgh st. paving—*Liberal to Jackson*		78 54	
" Crawford st. curbing—*Genesee to Hough*		58 53	
" Atwater street grading		79 61	
" Willey street sewer		108 97	
Balance			2,605 45
CLARK AVENUE SEWER.			
Pearl to Scranton.			
Receipts	615 11		
Disbursements		478 52	
Balance			136 59

TRUMBULL STREET OPENING.			
Receipts	$ 18,552 30		
Disbursements		$ 18,410 98	
Balance			$ 141 32
ST. CLAIR STREET DAMAGES.			
Willson to Madison.			
Receipts	1,333 38		
Disbursements		18 00	
Balance			1,315 38
BROADWAY SEWER.			
Union to Miles.			
Receipts	5,797 35		
Disbursements		170 36	
Balance			5,626 99
ORANGE STREET SEWER.			
Forest to Case.			
Receipts	1,991 74		
Disbursements		1,693 10	
Balance			298 64
ONTARIO STREET REPAVING.			
Park to Eagle.			
Receipts	19,007 05		
Disbursements		2,550 31	
Balance			16,456 74
PERRY STREET REPAVING.			
Cedar to Woodland.			
Receipts	16,719 04		
Disbursements		14,828 72	
Balance			1,890 32

SHERIFF STREET DAMAGES.			
Prospect to Huron.			
Receipts	$ 408 95		
Disbursements		$ 22 16	
Balance			$ 386 79
STERLING AVENUE CURBING.			
Euclid to Hamilton.			
Receipts	2,545 02		
Disbursements		2,886 87	
Balance			658 15
AUBURN STREET SEWER.			
Scranton to Jennings.			
Receipts	1,402 56		
Disbursements		1,019 14	
Balance			383 42
CLARK AVENUE SEWER.			
Jennings to Merchants.			
Receipts	743 90		
Disbursements		520 29	
Balance			223 61
CEDAR AVENUE SEWER.			
E. Madison to Doan.			
Receipts	5,633 14		
Disbursements		136 72	
Balance			5,496 42
CEDAR AVENUE SEWER.			
Fairmount to Doan.			
Receipts	693 41		
Disbursements		15 68	
Balance			677 73

LINCOLN AVENUE SEWER.			
Cedar to Quincy.			
Receipts	$ 1,646 70		
Disbursements		$ 35 36	
Balance			$ 1,611 34
HOUGH AVENUE GRADING.			
E. Madison to Holt.			
Receipts	2,769 43		
Disbursements		25 50	
Balance			2,743 93
HOUGH AVENUE SEWER.			
Bolton to Holt.			
Receipts	3,431 60		
Disbursements		2,856 67	
Balance			574 93
UNION STREET CINDERING.			
Receipts	8,443 54		
Disbursements		65 47	
Balance			8,378 07
ACKLEY STREET GRADING AND CULVERT.			
Broadway to Fleet.			
Receipts	10,515 16		
Disbursements		9,609 86	
Balance			905 30
ASTOR STREET SEWER.			
Dunham to Giddings.			
Receipts	2,142 18		
Disbursements		2,065 84	
Balance			76 34

ATWATER STREET GRADING.			
Miles to Pratt.			
Receipts	$ 750 00		
Transferred from "Unclaimed Money" Account	79 61	$ 829 61	
Disbursements		690 44	
Balance			$ 139 17
HOLMDEN AVENUE SEWER.			
Scranton to Jennings.			
Receipts	3,207 26		
Disbursements		1,866 77	
Balance			1,340 49
GIDDINGS AVENUE SEWER.			
Receipts	2,099 73		
Disbursements		1,680 38	
Balance			419 35
FIRST AVENUE SEWER.			
Receipts	1,870 77		
Disbursements		1,399 29	
Balance			471 48
SUPERIOR STREET WIDENING.			
East of Willson.			
Receipts	9,000 00		
Disbursements		6,120 00	
Balance			2,880 00
HOLMDEN AVENUE SEWER.			
Pearl to Scranton.			
Receipts	428 10		
Disbursements		291 10	
Balance			137 00
Total			$ 659,056 37

Second Subdivision of Report.

DR.

FIRE DEPARTMENT.			
Balance January 1, 1889	$ 26,304 78		
Receipts	236,892 34	$263,197 12	
Disbursements		265,754 21	
Overdrawn			$ 2,557 09
POLICE COURT.			
Balance January 1, 1889	479 49		
Receipts	22,807 11	23,286 60	
Disbursements		29,753 00	
Overdrawn			6,466 40
POLICE DEPARTMENT.			
Balance January 1, 1889	19,002 43		
Receipts	277,006 67	296,009 10	
Disbursements		303,639 35	
Overdrawn			7,630 25
STREET DEPARTMENT.			
Balance January 1, 1889	12,923 26		
Receipts	106,073 04	118,996 30	
Disbursements		127,748 26	
Overdrawn			8,751 96
SANITARY.			
Balance January 1, 1889	2,555 51		
Receipts	22,985 74	25,541 25	
Disbursements		32,085 87	
Overdrawn			6,544 62

LIGHTING.			
Balance January 1, 1889	$ 6,073 82		
Receipts	152,838 82	$158,912 64	
Disbursements		164,574 66	
Overdrawn			$ 5,662 02
GRANGER STREET GRADING.			
Disbursements	546 18		
Overdrawn			546 18
PLATT STREET SEWER.			
Disbursements	550 00		
Overdrawn			550 00
DREDGING.			
Balance January 1, 1889	992 20		
Receipts	29,807 64	30,799 84	
Disbursements		33,270 09	
Overdrawn			2,470 25
BROOKFIELD CULVERT.			
Disbursements	51 12		
Overdrawn			51 12
HOWLETT STREET GRADING.			
Gage to Burton.			
Receipts	37 38		
Disbursements		596 33	
Overdrawn			558 95
ATLANTIC STREET GRADING.			
Disbursements	25 00		
Overdrawn			25 00

KEYES STREET CURBING.			
E. Madison to Edwards.			
Receipts	$ 502 00		
Disbursements		$ 549 71	
Overdrawn			$ 47 71
KENNARD STREET PAVING.			
Prospect to Garden.			
Disbursements	2,740 28		
Receipts		2,662 68	
Overdrawn			77 60
LORAIN STREET REPAVING.			
Waverly to Ridge.			
Disbursements	18,065 92		
Receipts		14,246 83	
Overdrawn			3,819 09
LINWOOD STREET SEWER.			
E. Madison to Genesee.			
Disbursements	1,288 95		
Receipts		1,152 95	
Overdrawn			136 00
LISBON STREET GRADING.			
Woodland to 728 ft. South.			
Disbursements	549 29		
Transferred to General Fund	13 89	563 18	
Receipts		28 45	
Transferred from Street Intersection		10 41	
Overdrawn			524 32

WADE PARK AVENUE SEWER.			
E. Madison to Marcy.			
Disbursements	$ 13,858 93		
Receipts		$ 3,000 00	
Overdrawn			$10,858 93
JENNINGS AVENUE PAVING.			
Disbursements	4 200 00		
Receipts		4,000 00	
Overdrawn			200 00
KINSMAN STREET PAVING.			
Disbursements	32,215 00		
Overdrawn			33,215 00
ST. CLAIR STREET WIDENING.			
East of Willson.			
Disbursements	3,075 00		
Receipts		3,014 30	
Overdrawn			60 70
WILLSON AVENUE OPENING.			
North of St. Clair Street.			
Disbursements	275 00		
Overdrawn			275 00
WILLSON AVENUE GRADING AND DRAINING.			
Sawtell to Broadway.			
Disbursements	200 00		
Overdrawn			200 00

BROOKFIELD CURBING.			
Euclid to Hough.			
Disbursements	$ 1,300 25		
Receipts		$ 813 52	
Overdrawn			$ 486 73
PAYNE AVENUE GRADING.			
Sterling to Willson.			
Disbursements	2,871 99		
Receipts		63 62	
Overdrawn			2,808 37
SHERBROOK GRADING AND CURBING.			
Superior to North End.			
Disbursements	467 43		
Receipts		391 14	
Overdrawn			76 29
STERLING AVENUE GRADING.			
Prospect to Scovill.			
Disbursements	2,031 14		
Receipts		1,600 26	
Transferred from "Unclaimed Money" Account		122 91	
Overdrawn			307 97
ST. CLAIR STREET GRADING.			
Willson to E. Madison.			
Disbursements	1,093 34		
Receipts		476 16	
Overdrawn			617 18
COMMERCIAL STREET SEWER.			
Disbursements	30 06		
Receipts		1 00	
Overdrawn			29 06

BOLTON AVENUE CULVERT.			
Disbursements	$ 516 76		
Overdrawn			$ 516 76
CASE AVENUE DAMAGES.			
Disbursements	1,457 50		
Overdrawn			1,457 50
QUINCY STREET GRADING.			
E. Madison to C. & P. R. R.			
Disbursements	7 73		
Overdrawn			7 73
WEST CLINTON SEWER.			
Disbursements	1,013 90		
Receipts		$ 1,000 93	
Overdrawn			12 97
CEDAR AVENUE GRADING.			
Jackson to Case.			
Disbursements	1,137 54		
Overdrawn			1.137 54
PEARL STREET BRIDGE.			
Disbursements	5 75		
Overdrawn			5 75
PRAGUE STREET GRADING.			
Garden to Wine.			
Disbursements	318 54		
Receipts		200 00	
Overdrawn			118 54

MUIRSON STREET GRADING.			
Disbursements	$ 55 53		
Overdrawn			$ 55 53
PAYNE AVENUE CURBING.			
Disbursements	336 69		
Receipts		$ 57 04	
Overdrawn			279 65
LAKE STREET REPAVING.			
Water to Ontario.			
Disbursements	92 10		
Overdrawn			92 10
SINKING FUND.			
Disbursements	416,552 18		
Receipts		414,181 92	
Overdrawn			2,370 26
BOLTON AVENUE GRADING.			
Euclid to Cedar.			
Disbursements	8 00		
Overdrawn			8 00
SEWER DISTRICT NO. 1.			
Overdrawn January 1, 1889	78 95		
Disbursements	268 91	347 86	
Receipts		4 72	
Overdrawn			343 14
SEWER DISTRICT NO. 3.			
Disbursements	756 66		
Receipts		65 60	
Overdrawn			691 06

SEWER DISTRICT NO. 10.			
Disbursements	$ 34 14		
Receipts		$ 6 54	
Overdrawn			$ 27 60
SEWER DISTRICT NO. 16.			
Disbursements	6,898 95		
Receipts		5,126 02	
Overdrawn			1,772 93
JESSIE STREET GRADING.			
Cedar to Garden.			
Disbursements	421 14		
Overdrawn			421 14
WARING STREET GRADING.			
St. Clair to Superior.			
Disbursements	68 03		
Receipts		5 25	
Overdrawn			62 78
PAYNE AVENUE GRADING.			
Overdrawn January 1, 1889	2,081 38		
Disbursements	1,007 84	3,089 22	
Receipts		59 10	
Overdrawn			3,030 12
ABBEY STREET PAVING.			
Lorain to 264 feet East of Tracy.			
Disbursements	4,150 00		
Receipts		3,848 49	
Overdrawn			301 51

CROTON STREET GRADING.			
Jackson to Case.			
Disbursements	$ 2,564 38		
Receipts		$ 2,339 71	
Overdrawn			$ 224 67
CONGRESS STREET GRADING.			
North Woodland to 160 ft. North of Remington.			
Disbursements	496 69		
Receipts		452 95	
Overdrawn			43 74
CORWIN STREET GRADING.			
Woodland to Holton.			
Disbursements	69 00		
Receipts		51 71	
Overdrawn			17 29
DIBBLE STREET CURBING.			
Willson to Norwood.			
Disbursements	1,160 11		
Receipts		1,069 99	
Overdrawn			90 12
GORDON AVENUE SEWER.			
Bridge to Lorain.			
Disbursements	5,590 81		
Receipts		4,545 43	
Overdrawn			1,045 38
GREENWOOD STREET CURBING.			
Sibley to Garden.			
Disbursements	798 90		
Receipts		712 63	
Overdrawn			86 27

EUCLID AVENUE PAVING.			
West of Erie.			
Disbursements	$ 12,300 00		
Receipts		$ 12,000 00	
Overdrawn			$ 300 00
ELEVATED ROADWAY.			
Overdrawn January 1, 1889	4,362 83		
Disbursements	23,328 32	27,691 15	
Receipts		8,515 98	
Overdrawn			19,175 17
WILLOW STREET BRIDGE.			
Balance January 1, 1889	125 00		
Receipts	7,397 75	7,522 75	
Disbursements		8,047 48	
Overdrawn			524 73
INTEREST.			
Balance January 1, 1889	40,773 29		
Receipts	403,966 85	444,740 14	
Disbursements		450,402 42	
Overdrawn			5,662 28
FRANKLIN AVENUE PAVING.			
Gordon to Waverly.			
Disbursements	224 14		
Receipts		135 60	
Overdrawn			88 54
PITTSBURGH STREET PAVING.			
Disbursements	2,190 00		
Receipts		1,064 90	
Transferred from "Unclaimed Money" Account		78 54	
Overdrawn			1,046 56

WALKER STREET GRADING.			
Disbursements	$ 5 00		
Overdrawn			$ 5 00
PERRY STREET REPAVING.			
Prospect to Cedar.			
Overdrawn January 1, 1889	309 48		
Disbursements	278 67		
Overdrawn			588 15
BROADWAY REPAVING.			
Union to Meade.			
Overdrawn January 1, 1889	1,302 74		
Disbursements	16,970 27	$ 18,273 01	
Receipts		15,847 02	
Overdrawn			2,425 99
BROADWAY PAVING.			
Independence to Union.			
Disbursements	20,330 00		
Receipts		20,233 10	
Overdrawn			96 90
SENECA STREET BRIDGE.			
Disbursements	42,403 92		
Receipts		41,660 28	
Overdrawn			743 64
KENNARD STREET PAVING.			
Prospect to Euclid.			
Overdrawn January 1, 1889	1,623 14		
Overdrawn January 1, 1890			1,623 14

SIBLEY STREET PAVING.			
Hayward to Case.			
Overdrawn January 1, 1889	$ 3,304 26		
Disbursements	8,000 00	$ 11,304 26	
Receipts		7,728 33	
Overdrawn			$ 3,575 93
HAYWARD STREET PAVING.			
Prospect to Cedar.			
Overdrawn January 1, 1889	458 04		
Overdrawn January 1, 1890			458 04
NORWOOD STREET GRADING.			
Luther to Hough.			
Overdrawn January 1, 1889	929 22		
Disbursements	665 98	1,595 20	
Overdrawn			1,595 20
NORWOOD STREET GRADING.			
Superior to Luther.			
Overdrawn January 1, 1889	194 69		
Overdrawn January 1, 1890			194 69
BROOKFIELD STREET GRADING.			
Overdrawn January 1, 1889	188 33		
Disbursements	2,078 26	2,266 59	
Receipts		1,063 73	
Overdrawn			1,202 86
SOUTH BELL AVENUE GRADING.			
Overdrawn January 1, 1889	129 02		
Overdrawn January 1, 1890			129 02

SOUTH BELL AVENUE SEWER.			
Disbursements	$ 4,196 15		
Receipts		$ 2,752 83	
Overdrawn			$ 1,443 32
STREATOR STREET GRADING.			
Euclid to Cedar.			
Overdrawn January 1, 1889	97 42		
Disbursements	55 79	153 21	
Receipts		69 46	
Overdrawn			83 75
SONORA STREET GRADING.			
Shirley to Rossiter.			
Disbursements	20 16		
Overdrawn			20 16
TILDEN AVENUE GRADING.			
Overdrawn January 1, 1889	588 20		
Disbursements	54 30	642 50	
Overdrawn			642 50
LINCOLN AVENUE GRADING.			
Euclid to Cedar.			
Overdrawn January 1, 1889	717 35		
Disbursements	200 70	918 05	
Receipts		160 75	
Overdrawn			757 30
GENESEE AVENUE CURBING.			
Euclid to Hough.			
Overdrawn January 1, 1889	539 78		
Disbursements	375 71	915 49	
Overdrawn			915 49

IRVING STREET GRADING.			
Overdrawn January 1, 1889	$ 40 50		
Disbursements	380 76	$ 421 26	
Overdrawn			$ 421 26
BELMONT STREET GRADING.			
Overdrawn January 1, 1889	407 16		
Disbursements	171 55	578 71	
Overdrawn			578 71
FLORENCE STREET GRADING.			
Overdrawn January 1, 1889	440 00		
Disbursements	235 79	675 79	
Overdrawn			675 79
SONORA STREET GRADING.			
Sterling to Lawrence.			
Disbursements	42 84		
Overdrawn			42 84
LODGE AVENUE GRADING.			
Overdrawn January 1, 1889	249 00		
Disbursements	20 00	269 00	
Receipts		13 83	
Overdrawn			255 17
WAVERLY AVENUE SEWER.			
Bridge to Lorain.			
Overdrawn January 1, 1889	1,045 96		
Receipts		275 82	
Overdrawn			770 14

COURTLAND STREET SEWER.			
Franklin to Waverly.			
Overdrawn January 1, 1889	$ 1,904 95		
Overdrawn January 1, 1890			$ 1,904 95
RESERVOIR STREET OPENING.			
Disbursements	170 00		
Overdrawn			170 00
SYKORA STREET GRADING.			
Overdrawn January 1, 1889	107 68		
Receipts		$ 22 13	
Overdrawn			85 55
STERLING PLACE GRADING AND CURBING.			
North Side.			
Disbursements	25 20		
Receipts		18 47	
Overdrawn			6 73
PRAME STREET GRADING.			
Overdrawn January 1, 1889	40 09		
Overdrawn January 1, 1890			40 09
STERLING PLACE GRADE.			
South Side.			
Disbursements	37 80		
Receipts		35 27	
Overdrawn			2 53

WILLETT STREET SEWER.			
Monroe to Lorain.			
Overdrawn January 1, 1889	$ 1,327 41		
Disbursements	289 98	$ 1,617 39	
Overdrawn			$ 1,617 39
E. MADISON AVENUE SEWER.			
Lena to Lake Erie.			
Overdrawn January 1, 1889	3,252 96		
Disbursements	59,797 63	63,050 59	
Receipts		25,453 40	
Overdrawn			37,597 19
BOLTON AVENUE SEWER.			
Hough to Euclid.			
Overdrawn January 1, 1889	459 23		
Overdrawn January 1, 1890			459 23
HOUGH AVENUE SEWER.			
Genesee to Bolton.			
Overdrawn January 1, 1889	690 84		
Overdrawn January 1, 1890			690 84
CHATHAM STREET SEWER.			
Mechanic to Willett.			
Overdrawn January 1, 1889	26 48		
Overdrawn January 1, 1890			26 48
TAYLOR STREET GRADING.			
Franklin to Bridge.			
Overdrawn January 1, 1889	628 54		
Overdrawn January 1, 1890			628 54

OREGON STREET GRADING.			
Overdrawn January 1, 1889	$ 495 95		
Overdrawn January 1, 1890			$ 495 95
MIAMI ALLEY PAVING.			
Overdrawn January 1, 1889	97 34		
Overdrawn January 1, 1890			97 34
MAYFLOWER STREET GRADING.			
Overdrawn January 1, 1889	85 89		
Disbursements	78 66	$ 164 55	
Overdrawn			164 55
ST. CLAIR STREET GRADING.			
E. Madison to Becker.			
Overdrawn	191 83		
Disbursements	1,040 00	1,231 83	
Receipts		1,045 32	
Overdrawn			186 51
E. MADISON AVENUE SEWER.			
Euclid to Woodland.			
Overdrawn January 1, 1889	5,748 59		
Disbursements	4,829 09	10,577 68	
Receipts		4,415 82	
Overdrawn			6,161 86
TAX REFUNDING.			
Old Account.			
Balance January 1, 1889	1 03		
Receipts	309 30	310 33	
Disbursements		3,011 96	
Overdrawn			2,701 63

KINGSBURY BRIDGE.			
Disbursements	$ 9,348 72		
Receipts		$ 375 00	
Overdrawn			$ 8,973 72
WILLEY AND TRACY SEWER.			
Disbursements	2,512 39		
Overdrawn			2,512 39
OUTHWAITE STREET SEWER.			
Disbursements	731 66		
Receipts		127 03	
Overdrawn			604 63
McLEAN STREET SEWER.			
Disbursements	488 00		
Overdrawn			488 00
SMITH ALLEY SEWER.			
Disbursements	247 60		
Receipts		7 50	
Overdrawn			240 10
QUINCY STREET GRADING.			
Woodland Hills to N. Y., Ch. & St. L. Ry.			
Disbursements	256 15		
Overdrawn			256 15
WALTON AVENUE SEWER.			
Disbursements	406 00		
Overdrawn			406 00

ROOT STREET SEWER.			
Disbursements	$ 143 05		
Overdrawn			$ 143 05
JESSIE STREET SEWER.			
Disbursements	1,074 78		
Receipts		$ 913 03	
Overdrawn			161 75
MIDDLE STREET PAVING.			
Disbursements	1,083 82		
Receipts		587 61	
Overdrawn			496 21
TAX REFUNDING.			
New Account.			
Disbursements	12,638 23		
Receipts		1,419 88	
Transferred from Lincoln Avenue Grading		190 09	
Overdrawn			11,028 26
DOAN STREET SEWER.			
Disbursements	54 00		
Overdrawn			54 00
QUINCY STREET GRADING.			
C. & P. R. R. to E. Madison Avenue.			
Disbursements	70 00		
Overdrawn			70 00
ARMORY.			
Disbursements	17 91		
Overdrawn			17 91

PERKINS AVENUE SEWER.			
Disbursements	$ 771 50		
Receipts		$ 211 03	
Overdrawn			$ 560 47
WEIMER STREET SEWER.			
Disbursements	22 00		
Overdrawn			22 00
FLORENCE STREET SEWER.			
Disbursements	12 77		
Overdrawn			12 77
CASE AVENUE PAVING.			
Payne Avenue to L. S. & M. S. R. R.			
Disbursements	8,836 28		
Receipts		7,237 48	
Overdrawn			1,598 80
WADE PARK AVENUE SEWER.			
Dunham to Giddings.			
Disbursements	525 09		
Overdrawn			525 09
FAIRMOUNT REPAVING.			
Euclid to Baldwin.			
Disbursements	6,032 73		
Receipts		5,759 04	
Overdrawn			273 69
MERCHANT AVENUE SEWER.			
Willey to Cliff.			
Disbursements	734 08		
Overdrawn			734 08

BURWELL STREET SEWER.			
Case to Wallingford Court.			
Disbursements	$ 788 42		
Receipts		$ 682 96	
Overdrawn			$ 105 46
FINNEY STREET SEWER.			
Disbursements	7 50		
Overdrawn			7 50
Total Debits			$ 238,145 53
Balance in Depository January 1, 1890			420,910 84
Total Credits			$ 659,056 37

Supplemental Report.

(AXWORTHY FUND.)

RECEIPTS.

Balance on hand January 1, 1889 (as per last report)	$ 10,632 28	
Payment by H. B. Payne and J. H. Wade, Jr., bondsmen of Thomas Axworthy, late Treasurer of the city of Cleveland, Ohio, to apply on the amount due from said Treasurer to said city	113,711 61	
		$ 124,343 89

DISBURSEMENTS.

(Under authority Board of Revision.)

Warrant No.	1453	Public Library—Pay-roll, December, 1888	$	842 40
"	1455	" Cleveland Print. & Pub. Co.		139 17
"	1452	" L. Breckenridge		2 47
"	1448	" Cleveland News Co.		61 34
"	1450	" L. Breckenridge		30 00
"	1451	" Mercantile Insurance Co.		50 00
"	1454	" Whitworth Bros.		13 25
"	1449	" William Pike.		12 50
"	1456	" Scott & Downer		67 45
"	1430	" Cleveland Directory Co.		10 00
"	5761	Sibley street Paving—Leader Printing Co.		20 00
"	5760	East Madison Sewer " "		20 00
"	5762	Chatham Sewer " "		12 00
"	5758	Seneca street Bridge " "		24 00
"	5759	Elevated Roadway " "		26 00
"	6025	General—O. W. Broadwell		5 00
"	5669	General—W. P. Southworth & Co.		3 30
"	5679	General—A. & F. Flynn		2 80
"	5434	House of Correction—D. P. Putnam		5 80
"	5556	Infirmary—Ohio Institution, etc.		42 74
"	5655	General—East Cleveland Railway Co.		40 00
"	5705	General " "		10 00
"	4632	General—E. D. Sawyer, Sheriff		230 15
Deposited January 23, 1889, at designated bank depository				83,984 17
Placed to credit Police Contingent Fund				205 52
"	"	Firemen's Relief Pension Fund		3,746 54
"	"	Public Library Fund		10,787 63
"	"	Police Pension Fund		14,993 75
Deposited Mar. 15, 1889, balance of funds at designated bank depository				8,911 91
				$ 124,343 89

Report of Water Works Department.

Secretary's Report.

OFFICE SECRETARY OF WATER WORKS,
CLEVELAND, O., January 15, 1890.

To the Honorable Board of Trustees of Water Works:

GENTLEMEN:—I have the honor to respectfully present this, the thirty-fourth annual report of the financial condition of the water department for the year ending December 31, 1889.

RECEIPTS.

For water measured	$ 177,110 90	
" from assessments	268,924 92	
" from other sources	6,345 81	$ 452,381 63
Less returned water rent		3,884 01
		448,497 62
From sundry persons, advanced to lay pipe	12,825 40	
On account of pipe extension	2,975 74	
" general repairs	125 43	
" general expense	126 06	
" Fairmount reservoir	1,042 17	
" engine house expense	635 15	
" water meters	433 36	
" high service expense	93 00	18,256 31
For 3,233 connections to pipe @ $5 each	16,165 00	
For extra corporation cocks, boxes, etc	412 79	16,577 79
Cash on hand January 9, 1889		49,253 64
Total		$ 532,585 36

DISBURSEMENTS.

To sundry persons, advance to lay pipe refunded		$ 1,434 64
For pipe extension		187,781 74
" general repairs	$ 6,076 27	
" general expense	35,106 68	
" engine house expense	49,577 89	
" engine house repairs	5,595 72	
" high service expense	6,001 04	102,357 60
" corporation cocks, stop cocks, boxes and tapping	16,549 30	
Balance transferred to general expense	28 49	16,577 79
On account of water meters	8,866 17	
" Knowles engines (final payment)	16,902 94	
" tunnel No. 2	97,457 49	
" Fairmount reservoir final payment	3,337 38	126,563 98
Cash on hand January 9, 1890	2,834 61	
Cash in City Treasury January 9th	95,035 00	97,869 61
		$ 532,585 36

The foregoing statements condensed present the following :

Cash on hand January 9, 1889	$ 49,253 64	
Received for water	448,497 62	
Received from other sources	11,390 76	$ 509,142 02
Expended for Water Works enlargements	309,894 45	
Expended for operating expenses	101,377 96	411,272 41
Cash on hand January 9, 1890		97,869 61
		$ 509,142 02

The receipts for water for the year 1889 exceed the receipts for water for the previous year the sum of $47,010.85.

The revenue for the year just commenced is estimated as follows:

Cash on hand January 1, 1890	$ 97,869 61
Anticipated collection of water rent	475,000 00
Total revenue	572,869 61
Deduct estimated operating expenses	105,000 00
Leaving available for other purposes	467,869 61

LEDGER BALANCES DECEMBER 31, 1889.

DR.		CR.	
City Treasurer	$ 95,035 00	Water rent	$ 3,231,269 87
Cash	2,834 61	City of Cleveland	48,071 26
Interest	215,800 64	Bonds redeemed	925,000 00
Construction	5,428,582 97	Bonds outstanding	1,775,000 00
Tunnel No. 2	169,460 25	Sundry creditors	18,601 82
Water meter account	86,229 48		
Total	$ 5,997,942 95	Total	$ 5,997,942 95

The table that follows shows the revenue from water rents, the operating expenses and repairs, and the balance to the credit of water rent after deducting such expenses from the introduction of lake water into the city until the present time:

Years.	Gross Receipts.	Operating Expenses.	Repairs.	Net Earnings.
1856 to 1876	$ 1,127,788 02	$ 426,564 16	$ 98,656 37	$ 602,567 49
1877	152,794 68	50,571 46	20,673 36	81,549 86
1878	160,125 70	47,183 44	22,453 91	90,488 35
1879	182,173 33	44,616 59	11,182 61	126,374 13
1880	202,377 92	47,618 76	8,296 13	146,463 03
1881	233,981 71	56,430 19	8,586 07	168,965 45
1882	248,879 06	57,857 47	7,835 56	183,186 03
1883	274,614 15	61,617 58	11,593 24	201,403 33
1884	296,392 60	66,196 41	9,470 48	220,725 71
1885	317,661 06	65,150 73	55,498 35	197,011 98
1886	353,191 85	77,582 32	8,034 44	267,575 09
1887	392,376 49	82,354 76	7,561 35	302,460 38
1888	401,775 40	85,445 92	20,950 10	295,379 38
1889	448,497 62	89,831 40	11,546 56	347,119 66
Totals.....	$ 4,792,629 59	$ 1,259,021 19	$ 302,338 53	$ 3,231,269 87

The following is an inventory of real property belonging to the water department and the cost thereof as shown by the construction account in the Ledger $5,684,272.70:

Reservoir and grounds, (6) six acres, Franklin avenue	$ 84,853 13
" " (20) twenty acres, Fairmount street	401,125 62
" " (8) eight acres, Kinsman street	142,716 96
Keeper's residence on reservoir grounds, Kinsman street	1,200 00
Engine house grounds, four acres, Old River street	54,356 28
Two engine and boiler houses, Old River street	251,239 83
Six compound duplex pumping engines and boilers; combined daily pumping capacity 70,000,000 gallons	390,656 14
Lake crib, tunnel and branches	510,026 46
Pipe system, consisting of 27 miles 3,809 ft. mains, 24 to 36 inches. 273 miles 1,952 ft. mains, distributing pipe, 4 to 16 inches. 3,257 fire hydrants	3,387,639 36
Water meters	86,229 48
Engine house and grounds, 1¼ acres, Fairmount street, Engineer's and fireman's residence, One pair Cornish engines for high service,	204,769 19
New tunnel, unfinished, cost to date	169,460 25
Total cost to date	$ 5,684,272 70

The following statement presents in detail the payment for work done for sundry persons as entered in voucher register of accounts receivable:

Geo. S. Paine, cylinder valve box	$ 4 05
" stopping leak	3 00
" a 2 in. connection, Willson Ave	36 50
Arthur Hughes, a 4 in. connection, Sheriff St	93 79
Geo. S. Paine, a 2 in. Worthington meter	53 53
Eynon & Ingersoll, a 4 in. connection, Lake St	54 21
Chafer & Becker, a 4 in. sleeve	1 32
Mrs. Jno. J. Blatt, advanced to lay pipe	273 36
West Cleveland, setting meters	156 34
American Wire Co., repairing water pipe	8 44
Wm. McReynolds & Co., work on Fairmount reservoir	1,042 17
Cash, sold 35 oil barrels	23 25
F. A. Wadsworth, 1 ¾ water meter	25 41
Dewstoe & Schneider, work at C. & P. Freight House	17 04
Fraw & McArthur, a connection in Erie St	26 99
G. M. Hicks, advanced to lay pipe	967 67
Walton Bros., "	532 33
W. R. Halloran, a 2 in. connection in Woodland Ave	31 78
Arcade Building, changing location of hydrant	105 29
Eberhard Manufacturing Co., 4 in. connection, Tennyson St	51 52
Cleveland Provision Co., top frame for valve box	1 35
Farnan's Brass Works, 1,669 lbs. scrap brass, @ 13½	225 32
Broadway Bank, repairing leak, Forest St	2 35
Lake Shore Foundry, changing 3 in. to 4 in. connection	70 33
Infirmary Department, a 4 in. connection, Scranton Ave	165 30
Henry B. Payne, 2 connections, for Payne Building	162 77
Pickands, Mather & Co., lease of dock, Old River bed	600 00
C. O. Palmer, 1 second-hand transit	50 00

Woodland Savings Association, advanced to lay pipe	$ 662 58
Farnan's Brass Works, street sprinkler clamps	2 80
Peerless Wringer Co., a 3 in. connection, Lisbon St	40 73
Oppman Brewing Co., a 3 in. connection, Columbus St	46 04
Newell Bros., a 4 in. connection, Train St	100 12
J. H. Sargent, a 4 in. connection, Pearl St	111 60
T. H. Graham, a 4 in. connection, Water St	103 15
Andrews Bros., a 4 in. connection, Michigan St	89 96
N. W. Cutter, agent, a 4 in. connection, Euclid Ave	129 74
Geo. Schmitt, 40 lbs. old chain	1 20
Farnan's Brass Works, sprinkler clamp and coupling	1 40
Cleveland Gas Co., a 4 in. connection, Oxford St	58 32
Chafer & Becker, a 4 in. connection, Pleasant St	64 01
Dewstoe & Schneider, a 2 in. connection, Euclid Ave	66 31
S. E. Graves, a 4 in. connection, Euclid Ave	134 25
Valley Railway, changing location of stand pipe, Lime St	26 02
E. E. & D. Adams, advanced to lay pipe	867 56
" " "	364 46
Dewstoe & Schneider, labor for J. Turners & Sons	17 82
Cleveland Elevator Co., 3 in. connection, Hickox Alley	75 92
Cash, hay from Fairmount reservoir	6 00
L. Popolowsky, a 2 in. connection, Huron St	18 35
Cleveland Gas Co., fire hydrant and valve	26 50
A. A. Parker, a 2 in. connection, Case Ave	21 77
Smith & Connors, a 2 in. connection, Long St	25 38
Woods, Jenks & Co., a 4 in. connection, Carter St	64 80
Cleveland Varnish Co., a 3 in. connection, Rockland Ave	64 72
Peter Diemer, advanced to lay pipe	990 00
Geo. S. Paine, a 2 in. connection, Payne Ave	23 33
C. C. Baldwin, advanced to lay pipe	3,392 16
John Rock, advanced to lay pipe	1,000 68
Henry Botten, oil barrels	11 50
G. A. & T. L. Fliedner, six months rent of ground at high service reservoir	72 00
Lamson, Sessions & Co., fire connection, Scranton Ave	463 36
Upson Nut Co., repairing pipe	52 75
Erie Railway, replacing broken hydrant	32 90
Northern Ohio Woolen Mills, 4 in. connection, Pleasant St	50 21
Peter Schmitt, 748 lbs. scrap pipe	3 74
F. W. Wadsworth, work on 6 in. pipe in Arcade Building	4 53
Stone Bros., 2 4 in. connections, Merwin St	134 12

Geo. S. Paine, 1 1½ in. Worthington meter	$ 44 00
Theodore Kuntz, enlarging connection, Center St	96 42
Henry Botten, 40 lbs. old iron	40
Smith & Connors, 2 cylinder valve boxes	9 18
Theodore Kuntz, a 4 in. connection, Elm St.	66 20
National Screw & Tack Co., a 3 in. connection, Stanton St	46 33
W. S. Dodge, advanced to lay pipe	459 28
J. M. Hoyt, " "	1,043 81
" " "	1,318 65
H. B. Payne, " "	952 86
Lamson, Sessions & Co., man-hole and cover	4 92
E. H. Jones & Co., repairing meter	2 18
Cleveland Telephone Co., changing location of hydrant	4 80
Wallace & Kerr, a 2 in. connection, Jay St	16 56
Mrs. Murdock, stone from Washington St	3 00
Louis Popolowsky, a 3 in. connection, Beyerle's Park	36 70
W. F. & H. Strater, 2 water meters	78 00
Cash, 8 feet lumber	32
Cash, hay from Fairmount reservoir	15 00
	$ 18,406 31

The law provides (Sec. 2417 Revised Statutes of Ohio) that no charge shall be made for water for extinguishing fires, or cleaning fire apparatus, or for furnishing and supplying connections and fire hydrants and keeping the same in repair, for fire department purposes, or the cleaning of market houses, or for the use of public school buildings, or for the use of any public building belonging to the corporation, or for any hospital, asylum, or other charitable institution devoted to the relief of the poor, the aged, infirm, or destitute persons or orphan children.

Under the statutes as above quoted the following public buildings are supplied with water free, also other public uses not coming under that head.

FIRE DEPARTMENT.

1	Engine House No.	1	St. Clair St.
1	"	2	Champlain St.
1	"	3	Huntington St.
1	"	4	State St.
1	"	5	Phelps St.
1	"	6	Lorain, cor. Brainard St.
1	"	7	Forest St.
1	"	8	Scranton Ave.
1	"	9	Willson Ave.
1	"	10	Doan St.
1	"	11	Sawyer St.
1	"	12	Waverly St.
1	"	13	Broadway.
1	"	14	Muirson St.
		15	Fire Boat.
1	"	16	Woodland Ave.

3,257 fire hydrants furnished and kept in order.

8 4-inch connections in manufactories, etc.

POLICE DEPARTMENT.

1	Central Police Station No. 1	Champlain St.
1	Police Station No. 2	Oregon St.
1	" 3	Forest St.
1	" 4	Willson Ave.
1	" 5	Guard St.
1	" 6	Broadway.
1	" 7	Wales St.
1	" 8	Detroit St.
1	" 9	Barber Ave.
1	" 10	Swiss St.
1	Patrol No. 1	Champlain St.
1	" 2	Hanover St.

SCHOOL DEPARTMENT.

1	Central High	Willson Ave.
1	West High	Bridge St.
1	School	Eagle St.
1	"	Alabama St
1	"	Bolton Ave.
1	"	Broadway.
1	"	Brownell St.
1	"	Buhrer Ave.
1	"	Case Ave.
1	"	Clark Ave.
1	"	Crawford.
1	"	Detroit St.
1	"	Dike St.
1	"	Dunham Ave.
1	"	Eagle St.
1	"	Euclid Ave.
1	"	Fairmount St.
1	"	Fowler St.
1	"	Garden St.
1	"	Gordon Ave.
1	"	Hicks St.
1	"	Hough Ave.
1	"	Harper St.
1	"	Independence St.
1	"	Kentucky St.

1	School	Kinsman St.
1	"	Lincoln Ave.
1	"	Madison Ave.
1	"	Marion St.
1	"	Mayflower St.
1	"	Orchard St.
1	"	Outhwaite Ave.
1	"	Prospect St.
1	"	Rockwell St.
1	"	Scranton Ave.
1	"	Sibley St.
1	"	Dolloff St.
1	"	St. Clair St.
1	"	Stanard St.
1	"	Sterling Ave.
1	"	Sumner St.
1	"	Tremont St.
1	"	Union St.
1	"	Sawyer St.
1	"	Walton Ave.
1	"	Waring St.
1	"	Warren St.
1	"	Waverly St.
1	"	Woodland Ave.
1	"	Woodland Hills Ave.
1	Manual Training School	East Prospect St.

PARK DEPARTMENT.

1 Pelton Park.
1 Lake View Park.
1 Wade Park.
1 Franklin Park.
1 Clinton Park.
1 Waring Park.
1 Monumental Park.
1 Miles Park.

CEMETERIES.

1	City Cemetery	Monroe St.
1	"	Woodland Ave.
1	"	Erie St.
1	Catholic Cemetery	Woodland Ave.
1	Jewish "	Bailey St.

MISCELLANEOUS.

1	City Hall Building	Superior St.
	" elevator.	
1	City Armory	Champlain St.
1	City Infirmary	Scranton Ave.
1	House of Correction	Woodland Ave.
	Viaduct Bridge Engine.	
	Bridge Engine	Main St.
	"	Seneca St.
2	Water Works Pumping Houses	Old River St.
1	" "	Fairmount St.

CHARITABLE INSTITUTIONS.

1	Cleveland City Hospital	Lake St.
1	Franciscan Hospital	Broadway.
1	St. Vincent's Hospital	Perry St.
1	Homeopathic "	Huron St.
1	Foundling "	Marion St.
1	Little Sisters of the Poor	Hazen St.
1	Sisters Good Shepherd	Sibley St.
1	St. Mary's Orphan Asylum	Monroe St.
1	Home for Aged Women	Kennard St.
1	Cleveland Orphan Asylum	St. Clair St.
1	"The Retreat"	"
1	The Home	Walnut St.
1	Home for Invalids	Euclid Ave.
1	Hebrew Orphan Asylum	Woodland Ave.
1	St. Joseph's Asylum	"
1	Day Nursery	Sterling Ave.
1	"	Case Ave,

1	Industrial Home	West Cleveland.
	Cleveland Bethel Building	Superior St.
1	Drinking Fountain	Public Square.
1	"	Jennings Ave.
2	"	Euclid Ave.
1	"	Broadway.
1	"	Lorain St.
1	"	Detroit St.
1	"	Pearl St.

RECAPITULATION.

PUBLIC BUILDINGS.

15	Fire Department.
12	Police "
51	Schools.
7	Miscellaneous.
20	Charitable Institutions.
105	
8	Public Parks.
5	Cemeteries.
8	Public Drinking Fountains.
3,257	Fire Hydrants.
80	Fire Connections in Manufactories.

In addition to the uses above enumerated, water is used for flushing sewers, sprinkling streets and puddling streets where pavement is laid, and in no small quantities. Be that as it may, I am of the opinion that a showing as above will prove to him who will devote some thought to the subject, that some sum for water should be paid by the city at large, either by paying the interest on the bonds outstanding, amounting to $108,000, or by some other fixed amount, and that the repealing of the law requiring the water department to pay the interest as stated, by our representatives in the Legislature now in session was wise and just.

Respectfully submitted,

W. A. MADISON,

Secretary.

Report of Superintendent AND Engineer.

REPORT OF THE

Superintendent and Engineer.

To the Board of Trustees of Water Works:

GENTLEMEN:—The thirty-fourth annual report of the Superintendent and Engineer upon the condition of the Water Works, with a statement of the work done during the year 1889, is herewith presented.

LAKE CRIB.

No repairs have been required on the lake crib other than such minor ones as were made by the keeper. In the early part of the Summer, an examination of the bottom of the lake was made opposite the inlet through the crib, when it was found that the riprap stones on that side of the crib had been washed down so as to obstruct the free passage of water to the inlet; these were removed by the keeper, Mr. Walter Metcalf.

TUNNEL.

Nothing need be said of the old tunnel further than that it has continued to serve its purpose without interruption during the year.

NEW TUNNEL.

The two sections of that portion of the new tunnel extending from the pumping works to the working shaft near the lake shore were connected on January 23rd of last year, and one month later 671 feet had been completed northerly from the working shaft when gas, water and quicksand again broke in, resulting as usual in driving the workmen out. Shortly after, while the men were standing in and about the shaft house and some of their number were about to descend to the tunnel to start the pump at the bottom of shaft, an explosion of gas took place that tore the boards off the shaft house, raised the covering on the shaft at the pumping works nearly 1,700 feet away, and prostrated the men, burning eight of them severely.

Work was then suspended until March 1st. After cleaning the sand out, the masonry near the end was found to be badly broken, and had settled so by reason of the outflow of quicksand from beneath that a bulkhead was built across the tunnel 22 feet back from the end in the undisturbed masonry to prevent the further inflow of sand.

It was then determined to make a detour to the west and if possible pass around the bad ground; this was done and the tunnel completed to a distance of 703 feet from the shaft when the same kind of ground was again encountered, causing trouble of precisely the same nature as that already described. Three such deviations, after leaving the original line, were made, and the same kind of ground was met with in each case. It was then decided to apply the pneumatic process, if practicable, and continue the line adopted after the first successful turnout. A visit to New York, to consult with Messrs. Sooysmith and Company, experts in the process, was made about the end of June by the Chairman of your Board, one of the contractors and your engineer. Little encouragement was given that the experiment would be successful, but arrangements were made for one of the Engineers of the firm to visit Cleveland and make a personal examination of the tunnel and give an opinion as to the probability of successfully passing the treacherous ground. After an inspection of the material excavated and a study of the ground, as shown by the

borings made, the prosecution of the work by the pneumatic process was pronounced feasible, and by the 9th of September the work was being successfully carried on under an air pressure of thirty pounds per square inch. The tunnel across the quicksand formation, for a distance of 25½ feet, was built inside of an iron tube of the diameter of the outer diameter of the masonry of the tunnel. The tube was of tank iron $\frac{1}{16}$ inch thick, made of plates about 18 inches square, having angle irons on each side pierced for bolts; thus the tube was put together as the lining advanced. Beyond the quicksand the clay is soft, and at the end of the year the work was still being driven in the same soft material, under air pressure, but reduced to about ten pounds per square inch. On the 28th of October, when the tunnel had been completed to a distance of 200 feet beyond the air lock, the air pressure was taken off, the clay at that time being hard enough to stand without support. On the following morning, about 11 o'clock, the workmen discovered water and quicksand coming through the bottom of the tunnel at a point 54 feet beyond the air lock and a short distance outward from the iron tubing. The workmen immediately left their work, closing the lock doors as they passed out; air pressure was again applied as soon as steam could be raised, and upon inspection it was found that the tunnel beyond the air lock was filled with water and quicksand to a depth of 3 feet, the sand extending for a distance of 200 feet. On the following morning, the water having been drawn off, the sand was removed sufficiently to allow an examination of the aperture that was the cause of the trouble. The result of the inspection was a surprise to all present; a hole 10 by 17 inches had been cut through the three rings of brick, with no cracks or other evidence of a natural break radiating from it, below which a hole about 4 inches in diameter had been drilled through several feet of tough clay to the water and sand beneath. That it was the work of some one interested in continuing the pneumatic process was evident, and suspicion naturally pointed to the workmen who were being paid higher wages and working shorter hours than when working under natural pressure. The gang of men working during the night preceding the break were discharged, and soon after

evidence was obtained strong enough to warrant the finding of an indictment against one of them by the Grand Jury; the man is now under bond to appear for trial when his case is called in the Criminal Court. The hole was soon repaired, but cracks, caused by the outflow of quicksand from below, afterwards appeared in the masonry for a distance of several feet near the hole, necessitating the rebuilding of the injured work. Since that time the work has been carried on without interruption.

From the inlet shaft, working southerly towards shore, the work progressed steadily until a distance of nearly 1,500 feet from the shaft had been reached. The clay for the last 50 feet of this distance had been soft, and at the end had become too soft to remain in place long enough to place timbering. The movement of the clay caused a distortion of the masonry as far back as the soft clay extended, and a bulkhead was put in as near the end as possible; as soon after as an air lock could be made and an air compressor and boiler could be procured and placed, with the necessary piping and fittings, air pressure was applied and the broken masonry removed and rebuilt, adding one ring of brick, thus making the wall 16 inches thick for a distance of 96¾ feet until harder clay was reached. The air pressure is now being gradually reduced, and the hope is entertained that it may soon be dispensed with altogether. The distance between the two sections remaining to be completed was, on the first of January, 4,184 feet.

BUILDINGS.

All of the buildings at the pumping stations are in good condition, neither of them requiring any repairs during the year.

MACHINERY AND BOILERS.

The accompanying report of Mr. Botten, Engineer in charge of the Division street pumping station, gives a detailed account of the repairs made to the different engines and boilers, the most extensive repairs having been made to number one Worthington engine, which has been in almost constant service since July, 1876.

The Cornish engines and boilers at the high service pumping station are in first-class order, as usual, and have not needed any repairs during the year.

FRANKLIN AVENUE RESERVOIR.

There has been no change in this property during the year other than the increase in its appearance of dilapidation. It is to be regretted that it cannot be disposed of and the sum it would bring used in some manner that would serve the public better than does the unsightly and useless pile of dirt remaining to mar the beauty of the desirable residence avenue it fronts upon.

FAIRMOUNT RESERVOIR.

Twice during the year the water stored in this reservoir served to avert a water famine in the eastern part of the city. Once in February, when one of the large mains broke west of the river during a period of cold weather, and again about the last of August or first of September, during the dryest and hottest days of the year. During both periods the consumption of water was greater than the quantity that could be delivered by five million gallons per day.

The lowest water line reached was in February, when the depth in both basins fell to 14⅛ feet, being 5⅞ feet below the overflow line.

Early in the coming Spring the slopes should be seeded and dressed with the manure collected and prepared for the purpose during the past year.

It is believed that no leaks now exist in either basin, and no repairs have been needed since my last report.

The beautiful display of flowers along the dividing embankment, maintained from early Spring until killing frost came in November, delighted the many visitors to that attractive spot. The work of propagating and caring for them has been the pride and delight of Mr. Peter Schmitt, the keeper, and I would recommend that a small appropriation be made to enable him to purchase roots and seeds to increase the variety and beauty of the display. All expense for that purpose has heretofore been personal.

HIGH SERVICE RESERVOIR.

There has been no change in this reservoir since my last report. The grass on the slopes has never been in better condition. No expense was incurred beyond that of the pay of the keeper, and one laborer during the Summer months.

MAIN PIPE.

The 36-inch main running from the east Knowles engine was laid to the intersection of Washington and West River streets, a distance of 4,920 feet. It is proposed during the coming year to extend this pipe under the river at St. Clair street through a tunnel, thence out St. Clair, Erie and Superior streets and Payne avenue to Alabama street, a distance of about 10,000 feet. Running north from Payne avenue a 16-inch main will be laid in Alabama street to Lake street, thence easterly in Lake street to Marquette street, a distance of about 10,000 feet. This latter main will pass through the heaviest manufacturing district in the city, one concern in which used as many gallons of water during last year as the whole high service district, and would have used more if the supply had been greater. Complaints from that territory were loud and frequent during the Summer of a lack of supply, and justly so.

DISTRIBUTING PIPE.

During the year, 25 miles 2,046 feet of pipe of all sizes was laid as follows, namely:

In Low Service District	21 miles,	4,595 feet.
In High Service District. . . .	3 miles,	2,731 feet.
Total for 1889	25 miles,	2,046 feet.
Pipe of all sizes laid before 1889.	275 miles,	3,715 feet.
Total January 1st, 1890 . .	301 miles,	481 feet.

The indications at the close of the year are that a still larger quantity of pipe will be asked for during 1890. The estimated expenditure for pipe for the year is as follows:

Main pipe	$ 135,000
Pipe for distribution.	142,000
Total	$ 277,000

The accompanying table of pipe laid gives location, length and size of all pipe laid during the year.

STOP GATES.

The stop gates placed in the different lines of pipe numbered 570; of these, 486 are in the low service district and 84 in the high service; of this number, three were in the 36-inch pipe line; one 36-inch check valve was also placed in the same line.

The total number of all sizes in use is 6,159. For detail, see accompanying schedule.

FIRE HYDRANTS.

The number of fire hydrants placed in pipe lines was 311 in the low service and 54 in the high service district, a total of 365 for the year; these added to the number in use previous to 1889 make a total of 3,257. The location of those set the past year is shown in the annexed schedule:

SERVICE PIPES.

Size.	Total connections made to Dec. 31st, 1888.	Connections changed to other sizes in 1889.	Total.	Old Connections reissu'd in 1889.	Total.	Connections made in 1889.	Total.
½ in.	469	.....	469	.....	469	219	688
⅝ in.	25,683	25	25,658	.....	25,658	2,897	28,555
¾ in.	700	1	699	1	700	20	720
1 in.	82	1	81	.....	81	19	100
1¼ in.	44	.....	44	1	45	5	50
1½ in.	40	.....	40	1	41	4	45
2 in.	205	.....	205	4	209	11	220
2½ in.	3	.....	3	.....	3	.....	3
3 in.	105	2	103	4	107	4	111
4 in.	176	.....	176	18	194	17	211
6 in.	6	.....	6	.....	6	3	9
8 in.	3	.....	3	.....	3	.....	3
	27,516	29	27,487	29	27,516	3,199	30,715

Turned off for non-payment of rent or other causes	878
Not extended beyond curb line	1,550
Connections not in use	2,428
In use Dec. 31st, 1889	28,287
In use Dec. 31st, 1888	25,477
Increase	2,840

LEAKS.

The annexed table shows the number of leaks for the year, the character of the same, and the size of pipe:

LEAKS IN 1889.

Months.	Main Pipe.			In Valves.			Fire hydrants.	Sprinklers.	In Service Pipes.			Connections turned off.	Plugs blown out.	Plugs leaking.	Total.
	Size of main pipe.	Joints.	Broken pipe.	Stuffing box.	Joints.	Broken screws.			At ferrule.	At stop cock.	In lead pipe.				
January.	3 in.	.....	.....	.....	.....	.....	3	.....	.....	...	.....	.....	.....	.....	
	4 in.	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	
	8 in.	.....	1	.....	.....	.....	.....	.....	2	1	1	.....	.....	.....	
	8 in.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	
Total in Jan.....	.....	.....	1	1	.....	.....	5	.....	2	1	1	.....	3	.....	14
February.	4 in.	1	.....	1	.....	.....	1	.....	.....	.....	1	1	.....	1	
	6 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	8 in.	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in Feb.....	.....	8	.....	1	.....	.....	1	.....	.....	.....	1	1	.....	1	13
March.	3 in.	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	4 in.	1	.....	.....	.....	.....	1	.....	2	.....	.....	1	.....	.....	
	6 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	10 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	36 in.	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in March...	.....	8	2	1	.....	.....	1	.....	2	.....	.....	1	.....	.....	15
April.	2 in.	.....	.....	.....	.....	.....	.....	2	2	2	.....	2	.....	.....	
	4 in.	.....	.....	2	1	2	2	1	.....	.....	.....	.....	.....	.....	
	6 in.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	36 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in April.....	.....	5	1	3	1	2	2	3	2	2	.....	2	.....	.....	23

LEAKS IN 1889—*Continued.*

Months.	Main Pipe.			In Valves.			Fire hydrants.	Sprinklers.	In Service Pipes.			Connections turned off.	Plugs blown out.	Plugs leaking.	Total.
	Size of main pipe.	Joints.	Broken pipe.	Stuffing box.	Joints.	Broken screws.			At ferrule.	At stop cock.	In lead pipe.				
May.	2 in.	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	
	3 in.	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	4 in.	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	.....	
	6 in.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	10 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	12 in.	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in May.....	.....	6	.....	1	3	.....	1	1	.....	.....	.....	1	.....	.....	13
June.	.....	.....	.....	.....	.....	.....	.....	.....	5	1	1	.....	.....	.....	
	2 in.	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	
	4 in.	1	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	
	6 in.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	8 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in June.....	.....	3	.....	1	.....	.....	2	2	5	1	1	.....	.....	.....	15
July.	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	
	4 in.	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	
	30 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in July.....	.....	3	.....	.....	.....	.....	1	.....	1	1	1	.....	.....	.....	7

LEAKS IN 1889—*Continued.*

Months.	Main Pipe.			In Valves.			Fire hydrants.	Sprinklers.	In Service Pipes.			Connections turned off.	Plugs blown out.	Plugs leaking.	Total.
	Size of main pipe.	Joints.	Broken pipe.	Stuffing box.	Joints.	Broken screws.			At ferrule.	At stop cock.	In lead pipe.				
August.	2 in.	.....	.....	.....	.....	.....	.....	2	.....	3	1	.....	.....	.....	
	3 in.	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	
	4 in.	3	1	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	
	6 in.	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	
	8 in.	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in August...	.....	9	3	1	.....	1	2	2	.....	3	1	.....	1	.....	23
September.	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	
	2 in.	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	
	4 in.	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	6 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	8 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	
	30 in.	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	36 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in Sept.....	.....	9	1	.....	2	.....	.....	3	3	.....	.....	.....	.....	1	19
October.	.....	.....	.....	.....	.....	.....	.....	.....	2	1	1	.....	.....	.....	
	3 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	4 in.	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	
	6 in.	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	10 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	20 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in October..	.....	8	.....	.....	1	.....	2	.....	2	1	1	.....	.....	.....	15

LEAKS IN 1889—*Continued.*

Months.	Main Pipe.			In Valves.			Fire hydrants.	Sprinklers.	In Service Pipes.			Connections turned off.	Plugs blown out.	Plugs leaking.	Total.
	Size of main pipe.	Joints.	Broken pipe.	Stuffing box.	Joints.	Broken screws.			At ferrule.	At stop cock.	In lead pipe.				
November.	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	
	4 in.	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	
	6 in.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	8 in.	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	30 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in Nov.....	.....	6	1	.....	.....	.....	1	.....	4	.....	.....	.....	.....	.....	12
December.	4 in.	2	.....	.....	3	.....	2	.....	4	1	1	.....	.....	.....	
	6 in.	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	8 in.	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	10 in.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total in Dec.....	.....	4	.....	.....	5	.....	2	.....	4	1	1	.....	.....	.....	17
Total for year...	.....	69	9	9	12	3	20	11	25	10	7	5	4	2	186

METERS.

There were 62 meters set by the department and 8 by private owners, besides 11 elevators with registers attached, making a total of 81 devices for measuring water placed during the year, and a total now in use of 1,725.

The number of gallons of water measured by such devices was 2,500,429,360, an increase of 318,953,160 gallons over the year 1888, and a daily average of 6,850,491 gallons of measured water.

METERS IN USE DECEMBER 31, 1889.

Name of Meter.	¾ in.	1 in.	1½ in.	2 in.	3 in.	4 in.	Total.
Worthington	812	359	145	143	63	46	1,568
Crown	3	5	.....	.....	2	3	13
Ball & Fitts Rotary	2	.....	.....	.....	1	.....	3
Hersey	.....	.....	.....	1	.....	2	3
Total	817	364	145	144	66	51	1,587

Total number of meters in use	1,587
" elevators in use	111
" water motors in use	5
" private meters in use	22
	1,725

There are 29 other private registering meters.

DISTRIBUTION.

The total number of gallons of water pumped at the Division street pumping station was 9,080,081,064, making a daily average of 24,876,934 gallons. The percentage of increase over the year 1888 was $6\frac{28}{100}$, while there was an increase in the number of connections made of $11\frac{14}{100}$ per cent.

At the high service pumping station 173,532,600 gallons were pumped, making a daily average of 475,432 gallons, being an increase over 1888 of 127,551. At least one-half of this increase was due to water let into the upper end of the low service pipe in Fairmount street to increase the pressure during the three Summer months.

The cost of pumping each million gallons 100 feet high at the main pumping station was the same as last year, namely, $3.08.

ESTIMATED EXPENDITURE FOR 1890.

Operating expenses and ordinary repairs	$ 105,000
Completing tunnel and connecting with old tunnel	100,000
10,000 ft. 36-inch and 10,000 ft. 16-inch main	135,000
Pipe for street distribution	142,000
River tunnel and wrought iron pipe	50,000
	$ 532,000
Estimated income and cash in City Treasury.	572,869
For operating expenses from January to April, 1891 . .	$ 40,869

Respectfully submitted,

JOHN WHITELAW,

Superintendent and Engineer.

REPORT OF

Engineer of Pumping Department.

REPORT OF

Engineer of Pumping Department.

To the Superintendent and Engineer of Cleveland Water Works:

DEAR SIR:—The Engineer of the West Side Pumping Department of the Cleveland Water Works would most respectfully submit the following annual report:

HENDERSON ENGINE.

We have required more service of these engines the past year than usual on account of No. 1 Worthington being laid off so long for repairs and a short, dry period we had in the month of August. They have run nearly ninety-seven days, and all the work required, aside from the usual packing, was on March 13th, when two cylinder head studs were broken, which were replaced with new ones. On August 22nd had to stop six hours to tighten loose nuts on steam valve stem. The next day it did not work well, and on examination found some leaks, and a lump of waste under one of the air pump bucket valves; a crack in one of the water cylinders was leaking badly, but this we strengthened by connecting the tie rod and bed plate with a swivel bolt, besides putting a copper patch over the crack.

It is now ready for service at any time.

WORTHINGTON No. 1.

These engines commenced the year with a bad break on February 20th, 11:20 P. M. They broke a plunger rod, which caused the breaking of one pair of cast iron air pump working beams, one cross-head cap, two nine-inch low pressure exhaust elbows, and cracked one low pressure cylinder-head, and sheared two steel tie rod keys off. By plugging the jacket inlet and outlet of the cylinder-head, it served its purpose very well. But the other castings we received from New York. They arrived on the 18th of March. The engines were ready to run again on the 21st, but we did not consider them safe, so we held them in reserve until we had more time to work on them. On April 28th we received orders to have the plungers turned off and new brass sleeves put in the water cylinders, which was done. The engines were started on the 25th of May. On August 22nd a section valve stem broke, which caused them to stop seven hours. We remodeled the oil pump discharge pipes, and replaced the old one-inch angle cylinder valve with new ones. We also tried some patent metallic plunger rod packing, but owing to the grit in the water it did not work satisfactorily, so it was abandoned.

The engines are now in good working order.

WORTHINGTON No. 2.

This engine has performed more service during the year than any other engine we have; it has run over three hundred and twenty-three days, with very little trouble or expense. On July 28th it broke a water valve, which took one hour and a half to replace. On August 13th it broke another water valve, also two water cylinder head studs, which caused it to stop three hours. We found one bucket valve stem and five or six springs broken, which were replaced by new ones. We remodeled the oil pump discharge pipes, which was all the work that was done on it, aside from the usual amount of packing.

This machine is in good working order.

WORTHINGTON No. 3.

This engine has made very little trouble or expense during the year; it has run only about two hundred and nineteen days, the Knowles engine being used in its place. On August 30th a discharge valve seat and four water cylinder head studs broke, which took nearly five hours to replace. On September 10th a water valve stem was forced out of a discharge seat and we found a stick of wood under a suction valve, which stopped the engine over two hours, and one discharge valve stem became loose twice. We also remodeled the oil pump discharge pipes and did the usual amount of packing, which was all the work required.

This engine is now ready for duty at any time.

KNOWLES ENGINES Nos. 1 AND 2.

On April 4th we received orders to be ready to give the Knowles engines a trial test, and on the 19th No. 1 was started on a twelve hour test, which proved satisfactory. On the morning of the 24th they were both started and run until 11:20 A. M., when No. 1 was stopped, and a trial test of five hours was made on No. 2, which was also satisfactory. On May the 18th one of the low pressure cylinders on No. 2 commenced to cut; we stopped it, removed the piston rings, and filed the parts that were cut, and scraped the cylinder; then we replaced it, and have had no further trouble. On November 10th No. 1 broke a four-inch elbow on the hot well supply pipe, which was replaced with a new one. No. 1 run over forty-nine days during the year. No. 2 run over eighty-eight days during the year.

They are both in working order now.

BOILER AND FEED PUMPS.

We have had very little trouble with our feed pumps during the past year. No. 1 Worthington's suction pipe corroded full of holes, and we had to replace a portion of it. The Cameron received four steel valve stems and one ¾-inch angle valve. On No. 3 Worthington the following repairs were made, namely: one pair of piston rods, one link bushed, and one new stud.

The feed pumps at the West Side Pumping Station now consist of two eleven-inch Knowles, one ten-inch and two six-inch Duplex Worthingtons, and one ten-inch Cameron, all of which are in good working order.

STEAM BOILERS.

Our boilers have caused us considerable trouble and expense during the past year. On February 8th No. 4 Connelly gave out at the end of the large flues, and on the 12th No. 2 also gave out, leaving two boilers off at the same time. We had both repaired and ready for service on the 19th. But on March 11th No. 4 boiler gave out again and was not ready for service until the 16th. On April 18th the boiler makers started to overhaul No. 1 Connelly. It received new box flanges all around the bottom of the legs, also new strips on all the legs inside and out, new front heads and door frames, and two flange patches on the outside head, two large patches on back head of the furnaces, and one large strip on the throat sheet, one patch on the shell, a small one on the flue sheet, and one on the main flue. No. 3 had one patch on a flue head, one in each furnace, and a large one on the throat sheet; also one patch on the shell. On April 18th had some flues expanded and beads calked on No. 1 Variety. On June 1st No. 4 Connelly gave out again, and was not repaired until the 10th. The boiler makers finished their work and left July 20th. On November 15th had some loose rivets cut out and replaced with new ones on No. 1 Connelly and the two Globe boilers. One section of cast iron feed pipe, and four two-inch pipes burst during the year, all of which were replaced by new ones. We must expect some work on the boilers in the south fire room, for they are getting old, having been in service about fourteen years.

We have not enough boilers in the south building to run the two engines at the same time with slack coal. We should have at least one or two more.

We have all our boilers in working order now.

IMPROVEMENTS.

During the past year we have had wash bowls and slop sinks placed in No. 2 and 3 engine rooms, which we find very convenient. The street has been paved in front of the property, which has certainly been a great improvement.

ACCIDENTS.

February 19th, at 6:50 P. M., the thirty-inch main broke on Old River street, when all the engines were at rest for three hours. On September 16th, at 4:15 A. M., the thirty-inch main broke on Spruce street hill, when all the engines were stopped for over two hours.

Respectfully submitted,

HENRY BOTTEN,

Engineer in Charge.

SCHEDULE,

Showing the gallons of water pumped and coal consumed in pumping; percentage of coal consumed and water pumped by each engine; contract price of coal and cost of coal for raising 1,000,000 gallons into reservoir.

Year.	Engine.	Number.	Water pumped by the different engines.	Pounds of coal consumed by the different engines.	Per cent. of water pumped by the different engines.	Per cent. of coal consumed by the different engines.	Coal consumed by the different engines for pumping one million gallons into reservoir.	Per cent. of coal consumed by the different engines pumping one million gallons into reservoir.	Average contract price of coal per ton.	Cost of coal for pumping one million gallons into reservoir.
1889	Worthington	1	1,580,380,000	6,418,960	17.41	18.42	4,061	16.72	$ 1 34	$ 2 72
1889	Worthington	2	2,998,962,940	10,431,900	33.03	29.93	3,478	14.32	1 34	2 33
1889	Worthington	3	2,013,458,680	6,959,780	22.18	19.97	3,456	14.23	1 34	2 32
1889	Henderson	1	855.192,512	4,270,790	9.42	12.26	4,993	20.55	1 34	3 34
1889	Knowles	1	550,704,820	2,292,986	6.06	6.58	4,163	17.14	1 34	2 79
1889	Knowles	2	1,080,762,112	4,475,944	11.90	12 84	4,141	17.04	1 34	2 77
1889	Totals and averages	.....	9,079,461,064	34,850,360	100.00	100.00	3.838	100.00	$ 1 34	$ 2 57

WORTHINGTON DUPLEX ENGINE No. 1, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	8	80	40	45,616	60,200	121,600	181,800	28,281,920	190.165	24,745,953
February	18	340	25	197,029	9,000	523,000	532,000	122,157,980	193.789	37,221,759
May	7	146	30	81,482	2,000	174,900	176,900	50,518,840	188.575	45,047,141
June	30	675	20	384,683	10,000	886,200	896,200	238,503,460	192.450	42,841,538
July	31	723	10	436,294	4,000	1,086,735	1,090,735	270,502,280	199.329	41,350,402
August	31	737	.....	465,216	3,000	1,030,585	1,033,585	288,433,920	197.898	46,195,402
September	29	649	50	400,256	6,000	1,025,120	1,031,120	248,158,720	200.226	40,309,220
October	31	722	15	425,708	6,000	1,193,720	1,199,720	263,938,960	192.885	35,675,351
November	9	200	10	112,716	.....	276,900	276,900	69,883,920	189.985	40,107,996
Totals and averages	194	4,275	20	2,549,000	100,200	6,318,760	6,418,960	1,580,380,000	193.922	39,937,370

WORTHINGTON DUPLEX ENGINE No. 2, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	31	723	5	442,925	4,000	804,900	808,900	274,613,500	186.877	53,076,089
February	28	665	10	432,283	2,000	971,800	973,800	263,015,460	192.714	44,367,085
March	31	713	40	459,149	4,000	960,100	964,100	284,672,380	188.760	46,621,987
April	29	627	.....	383,617	4,000	810,400	814,400	237,842,540	187.720	45,858,506
May	31	659	10	394,308	4,000	825,200	829,200	244,470,960	192.598	47,498,175
June	30	720	.....	426,591	1,000	864,200	865,200	264,486,420	192.450	492,110,22
July	31	732	30	455,728	3,000	921,000	924,000	282,551,360	199.329	50,986,310
August	31	741	.....	484,883	2,000	1,017,800	1,019,800	300,627,460	197.898	48,799,548
September	30	706	55	464,399	4,000	1,048,600	1,052,600	287,927,380	200.022	45,766,918
October	17	377	.....	212,517	2,000	493,220	495,220	131,760,540	193.691	43,107,694
November	16	351	.....	206,399	2,000	585,780	587,780	127,967,380	190.001	34,602,326
December	31	744	.....	474,238	3,000	1,093,900	1,096,900	294,027,560	190.962	42,821,934
Totals and averages	336	7,760	30	4,837,037	35,000	10,396,900	10,431,900	2,998,962,940	192.753	46,351,662

WORTHINGTON DUPLEX ENGINE No. 3, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	31	688	15	423,036	9,000	776,300	785,300	262,282,320	186.877	52,209,164
February	28	640	10	414,453	3,000	919,600	922,600	256,960,860	192.714	44,897,452
March	28	535	45	346,919	12,000	743,000	755,000	215,089,780	188.583	44,938,941
April	20	328	15	195,206	10,000	363,700	373,700	121,027,720	187.993	50,928,484
May	15	318	.....	182,988	6,000	387,300	393,300	113,452,560	192.063	46,343,883
June	28	664	.....	385,741	1,000	812,000	813,000	239,159,420	193.055	47,504,554
July	6	119	15	73,997	2,000	148,000	150,000	45,878,140	200.905	51,399,961
August	31	739	30	475,046	2,000	977,800	979,800	294,528,520	197.898	49,760,966
September	30	712	45	464,077	4,000	1,139,580	1,143,580	287,727,740	200.022	42,096,385
October	17	393	.....	222,965	2,000	518,000	520,000	138,238,300	193.691	43,071,391
November	6	116	35	63,086	2,000	121,500	123,500	39,113,320	190.225	50,395,342
Totals and averages	240	5,255	30	3,247,514	53,000	6,906,780	6,959,780	2,013,458,680	193.093	46,727,143

HENDERSON DUPLEX ENGINE, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
February	7	160	30	119,976	3,000	327,800	330,800	68,626,272	194.865	33,776,632
March	21	470	.....	298,436	10,000	934,900	944,900	174,286,624	189 272	29,167,986
April	30	720	.....	447,968	4,000	1,163,900	1,167,900	261,613,312	187.663	35,121,442
May	25	584	30	372,507	4,000	1,023,000	1,027,000	217,544,088	193.847	34,307,502
July	5	61	.....	34,850	10,000	113,865	123,865	20,352,400	201.474	27,658,196
August	12	165	40	89,071	26,000	276,115	302,115	52,017,464	201.745	29,022,637
September	10	163	30	104,028	8,000	366,210	374,210	60,752,352	201.982	27,396,969
Totals and averages	110	2,325	10	1,466,836	65,000	4,205,790	4,270,790	855,192,512	195.835	32,764,498

KNOWLES DUPLEX ENGINE No. 1, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	6	37	38	19,906	29,850	69,670	99,520	18,552,392	191.941	29,919,653
February	3	23	20	11,697	29,122	40,938	70,060	10,901,604	194.907	25,359,852
March	11	90	25	49,723	73,390	173,960	247,350	46,341,836	193.858	30,370,100
April	8	64	45	40,684	67,765	142,391	210,156	37,917,488	190.721	28,773,273
May	2	19	15	8,363	.....	28,300	28,300	7,794,316	198.749	45,771,801
July	27	624	55	302,271	6,000	1,022,000	1,028,000	281,716,572	201.399	46,150,551
October	3	47	45	25,723	4,000	96,600	100,600	23,973,836	196.384	39,131,995
November	13	285	45	132,518	4,000	505,000	509,000	123,506,776	192.093	38,973,793
Totals and averages	73	1,193	48	590,885	214,127	2,078,859	2,292,986	550,704,820	195.006	39,161,609

KNOWLES DUPLEX ENGINE No. 2, RECORD FOR 1889.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	12	75	05	41,456	73,189	143,291	216,480	38,636,992	193.016	28,806,005
February	1	8	.....	4,608	9,412	16,128	25,540	4,294,656	202.226	28,434,269
March	3	18	45	10,144	14,847	35,503	50,350	9,454,208	190.113	29,848,735
April	5	45	35	25,105	42,278	87,866	130,144	23,397,860	190.928	28,702,355
May	18	327	05	165,700	6,000	586,300	592,300	154,432,400	198.761	43,333,309
October	13	303	30	174,460	4,000	649,510	653,510	162,596,720	194.423	40,448,266
November	26	602	30	315,518	6,000	1,202,720	1,208,720	294,062,776	192.398	39,139,788
December	31	744	.....	422,625	6,000	1,592,900	1,598,900	393,886,500	194.550	40,074,972
Totals and averages	109	2,124	30	1,159,616	161,726	4,314,218	4,475,944	1,080,762,112	194.552	39,280,845

SCHEDULE,

Showing the distribution of water for each day and month in the year 1889.

Months.	Gallons of water pumped by Henderson engine.	Gallons of water pumped by Worthington engine No. 1.	Gallons of water pumped by Worthington engine No. 2.	Gallons of water pumped by Worthington engine No. 3.	Gallons of water pumped by Knowles engine No. 1.	Gallons of water pumped by Knowles engine No. 2.	Gallons distributed.			
							Per month.	Average per day.	Each inhabitant per day.	Each consumer per day.
January	.....	28,281,920	274,613,500	262,282,320	18,552,392	38,636,992	622,367,124	20,076,359	79.67	84.35
February	68,626,272	122,157,980	268,015,460	256,960,860	10,901,604	4,294,656	730,956,832	26,105,601	103.59	109.68
March	174,286,624	.....	284,672,380	215,089,780	46,341,836	9,454,208	729,844,828	23,543,381	93.42	98.92
April	261,613,312	.....	237,842,540	121,027,720	37,917,488	23,397,860	681,798,920	22,726,631	90.18	95.49
May	217,544,088	50,518,840	244,470,960	113,452,560	7,794,316	154,432,400	788,213,164	25,426,231	100.89	106.83
June	.....	238,503,460	264,486,420	239,159,420	.....	.....	742,149,300	24,738,310	98.17	103.94
July	20,352,400	270,502,280	282,551,360	45,878,140	281,716,572	.....	901,000,752	29,064,540	115.33	122.12
August	52,017,464	288,433,920	300,627,460	294,528,520	.....	.....	935,607,364	30,180,882	119.76	126.81
September	60,752,352	248,158,720	287,927,380	287,727,740	.....	.....	884,566,192	29,485,539	117.00	123.88
October	.....	263,938,960	131,760,540	138,238,300	23,973,836	162,596,720	720,508,356	23,242,205	92.23	97.65
November	.....	69,883,920	127,967,380	39,113,320	123,506,776	294,062,776	654,534,172	21,817,805	86.57	91.67
December	.....	.....	294,027,560	.....	.....	393,886,500	687,914,060	22,190,776	88.05	93.23
Totals and averages	855,192,512	1,580,380,000	2,998,962,940	2,013,458,680	550,704,820	1,080,762,112	9,079,461,064	24,875,236	98.71	104.51

TABLE,

Showing the total and average quantities of water pumped each year since the beginning of the works.

Years.	Gallons distributed.				Per cent. of increase.
	Per year.	Per day.	Each inhabit'nt per day.	Each consumer per day.	
1857	127,262,265	348,664	7.75	110.68	.....
1858	142,155,434	398,467	8.37	93.44	11.70
1859	198,284,090	513,107	11.31	91.27	39.45
1860	260,220,354	710,984	14.11	105.57	31.87
1861	322,175,022	881,599	16.32	114.50	23.81
1862	369,673,092	1,012,794	19.47	120.57	14.74
1863	420,790,875	1,152,875	20.97	117.54	12.83
1864	476,114,225	1,300,858	21.68	123.89	12.14
1865	517,261,005	1,417,153	21.80	122.70	8.64
1866	587,372,220	1,609,239	22.35	124.26	13.55
1867	696,369,375	1,907,861	23.85	115.98	18.55
1868	768,786,975	2,106,265	24.77	116.08	10.40
1869	898,936,425	2,462,839	27.36	120.20	16.92
1870	1,126,228,500	3,085,558	30.86	113.20	25.28
1871	1,367,621,100	3,746,907	35.68	124.90	21.43
1872	1,686,370,895	4,607,571	40.07	131.64	22.67
1873	1,869,768,835	5,095,230	43.06	137.71	10.85
1874	2,050,252,910	5,625,150	45.36	141.10	9.65
1875	2,216,775,816	6,073,358	44.00	136.65	8.12
1876	2,399,225,403	6,573,220	49.22	131.28	8.23
1877	2,820,326,074	7,726,920	55.91	142.24	17.55
1878	2,892,946,823	7,925,882	51.13	135.05	2.57
1879	3,455,271,981	9,466,498	62.69	145.61	19.43
1880	3,725,683,021	10,179,461	65.25	145.23	7.82
1881	4,847,209,363	13,280,025	76.76	162.34	30.10
1882	4,494,538,536	12,313,804	68.41	136.04	7.27
1883	5,187,432,657	14,212,144	75.60	136.80	15.41
1884	5,990,378,137	16,367,153	82.66	137.83	15.47
1885	6,552,003,190	17,950,694	93.49	139.28	9.37
1886	7,128,673,365	19,530,611	91.26	136.80	8.80
1887	8,127,146,648	22,266,155	95.97	140.38	14.00
1888	8,491,091,152	23,199,703	95.08	130.08	4.48
1889	9,079,461,064	24,875,236	98.71	104.51	6.93

HIGH SERVICE CORNISH PUMPING ENGINES, RECORD FOR 1889.

EAST ENGINE.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
April	6	49	.....	26,950	14,900	29,400	44,300	8,650,950	161·403	26,358,274
May	10	93	.....	50,850	11,300	55,200	66,500	16,322,850	161·366	33,124,480
June	9	83	55	46,150	8,050	50,100	58,150	14,814,150	161·268	34,358,263
July	14	135	.....	76,750	13,700	81,000	94,700	24,636,750	161·791	35,199,575
August	12	111	20	63,600	11,900	66,800	78,700	20,415,600	161·242	34,979,449
Totals and averages	51	472	15	264,300	59,850	282,500	342,350	84,840,300	161·414	33,452.254

HIGH SERVICE CORNISH PUMPING ENGINES, RECORD FOR 1889—*Continued.*

WEST ENGINE.

Months.	Days.	Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
January	4	35	50	19,100	35,500	22,100	57,600	6,131,100	161.104	14,340,438
February	4	38	45	20,950	37,000	22,900	59,900	6,724,960	161.208	15,135,847
March	6	57	20	31,550	28,600	34,400	63,000	10,127,550	161.235	21,676,558
September	15	137	55	78,350	11,600	81,000	92,600	25,150,350	160.555	36,468,793
October	9	87	30	49,750	9,000	51,600	60,600	15,969,750	161.314	35,549,899
November	7	63	.....	35,650	20,000	37,100	57,100	11,443,650	161.095	27,000,667
December	8	72	10	40,950	21,600	42,400	64,000	13,144,950	161.070	27,665,879
Totals and averages	53	492	30	276,300	163,300	291,500	454,800	88,692,300	161.083	26,270,491

HIGH SERVICE CORNISH PUMPING ENGINES, RECORD FOR 1889—*Continued.*

BOTH ENGINES.

		Pumping.			Coal consumed.			Gallons of water pumped.	Height in feet and decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising steam.	Pumping.	Total.			
East Engine	51	472	15	264,800	59,850	282,500	342,350	84,840,300	161.414	33,452,254
West Engine	53	492	30	276,300	163,300	291,500	454,800	88,692,300	161.063	26,270,491
Both Engines	104	964	45	540,600	223,150	574,000	797,150	173,532,600	161.221	29,350,384

SCHEDULE,

Showing the distribution of water for each day and month in the year 1889.

IN HIGH SERVICE DISTRICT.

Months.	Gallons of water pumped by East Cornish Engine.	Gallons of water pumped by West Cornish Engine.	Gallons distributed.	
			Per month.	Average per day.
January	.....	6,131,100	6,131,100	197,777
February	.....	6,724,950	6,724,950	240,177
March	.....	10,127,550	10,127,550	326,695
April	8,650,950	.....	8,650,950	288,365
May	16,322,850	.....	16,322,850	526,543
June	14,814,150	.....	14,814,150	493,805
July	24,636,750	.....	24,636,750	794,734
August	20,415,600	.....	20,415,600	658,568
September	.....	25,150,350	25,150,350	838,345
October	.....	15,969,750	15,969,700	515,151
November	.....	11,443,640	11,443,650	381,455
December	.....	13,144,950	13,144,950	424,030
Totals and averages	84,840,300	88,692,300	173,532,600	475,431

SCHEDULE,

Showing the total and average quantities of water pumped each year by the High Service Pumping Engines.

Years.	Gallons distributed.		Per cent. of increase.
	Per year.	Average per day.	
1886	207,975,900	565,797	.....
1887	124,355,400	340,699	.....
1888	127,324,650	347,881	2.10
1889	173,532,600	475,431	36.29

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
	36 inch.	West Side Pump. Station..	From east cross in 30-inch pipe at north building through Division street and Water Works grounds to south end of north curve at Washington and Kentucky streets	495¼		
S. & N.	36 inch.	Washington	From south end of north curve at Kentucky street to 78 feet west of West River street	4,424¾		
					4,920	
West ...	12 inch.	Willson	From 8 feet north of valve, north line Broadway, north	1,074		
					1,074	
North ..	10 inch.	Euclid	From 139 feet east of O'Connor street, east	9		
					9	
West....	8 inch.	Bolton	From pipe in Hough avenue, south to connect	612		
"	"	"	From north line Capitol street to 165 feet south of Kennedy street	1,493		
East.....	"	Burton	From 37 feet north of Trent street to north line Carlisle street	1,320		
South...	"	Clark	From pipe in Higgins street to pipe in Ridge avenue	1,246		
East.....	"	Coe	From north line St. Clair street to pipe in Lake street	1,034		
"	"	E. Madison	From north line Decker avenue to pipe in Decker avenue	43		
"	"	"	From pipe in E. Prospect street, south	246		
			Carried forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	8 inch.	E. Madison	From south line Kinsman street, south	355		
"	"	"	From 5 feet north of Kinsman street, north	685		
"	"	"	From 22 feet south of Rawlings avenue to 55 feet south of Holton street	355		
"	"	"	From pipe in Edgar street to 240 feet north of Juniata street	957		
"	"	"	From 209 feet south of Cedar avenue, south	192		
South	"	E. Prospect	From 379 feet east of Schieley court, east	846		
"	"	Garden	From pipe in Edwards street to pipe in Lincoln avenue	370		
East	"	Genesee	From pipe in Stanley avenue to pipe in Linwood street	142		
"	"	Gordon	From pipe in Lorain street, north	27		
"	"	"	From south line Detroit street to pipe in W. Clinton street	358		
"	"	Herald	From south line Kinsman street, south	12		
South	"	Hough	From west line Giddings avenue to 364 feet west of Russell avenue	805		
North	"	Huron	From east line Sheriff street, east	28		Relaid 4 inch to 8 inch.
East	"	Independence	From pipe in Athey street to 17 feet north of south line of Winnenden street.	2,156		
South	"	Lake	From 7 ft. east of west line Kirtland street to 169 ft. west of Coe street	750		
North	"	Lorain	From pipe in Ridge avenue to 114 feet west of Geib street	1,647		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
West....	8 inch.	Merwin	From T in West street to north line Center street	341		8 inch cement relaid.
North ..	"	Payne	From pipe in Dodge street, west to connection pipe with Walnut street pipe	791		
" ..	"	Ravine	From pipe in Root street to T in Junction street	126		
East.....	"	Ridge	From pipe in Clark avenue to north line Clark avenue	37		
South...	"	Union	From east line Broadway, east	17		
" ...	"	Wade Park	From pipe in Russell avenue to 161 feet east of Giddings avenue	652		
" ...	"	"	From 45 feet west of Genesee avenue to pipe in Commonwealth avenue	617		
					18,260	
West....	6 inch.	Abram	From pipe in Mentor avenue to pipe in Castle avenue	582		
East.....	"	Alum	From pipe in Lorain street, south	734		
"	"	"	From pipe in Clark avenue, south	1,335		
"	"	Amelia	From pipe in Wren street, south	199		
West....	"	Athey	From pipe in Chard avenue to pipe in Independence street	740		
East.....	"	Becker Avenue	From pipe in St. Clair street to pipe in Bliss street	1,578		
"	"	Becker Place ..	From pipe in St. Clair street, south	579		
"	"	Beyerle	From pipe in Hugo street to pipe in Harwood street	20		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	6 inch.	Bismark	From pipe in Woodland avenue, south	969		
West	"	Bradford	From pipe in Brook street, north to connect	234		
"	"	Brighton	From north line Meyer avenue to 240 feet south of Sackett street	1,040		
North	"	Brook	From pipe in Bradford street to west line Bradford street	14		
West	"	Brooklyn	From 34 feet south of Sackett street, south	262		
"	"	Burt	From 657 feet south of Cedar avenue, south	304		
North	"	Butler	From pipe in Herbert street, west	374		
East	"	Calvert	From 14 feet south of Cedar avenue to north line Garden street	824		
South	"	Canal	From hydrant at Seneca street, west	176		
"	"	Carry	From hydrant 296 feet west of Armitage street to Willson avenue	263		
"	"	Chard	From pipe in Athey street, east to east line Athey street	31		
"	"	Cloud	From pipe in Burton street to Alaska street	522		
"	"	Colfax	From west line Sharon street to 123 feet west of Herald street	1,110		
"	"	"	From pipe in Northeast avenue, west	349		
"	"	Colgate	From pipe in Ridge avenue, west	440		
West	"	Columbus	From pipe in Franklin avenue to pipe in West River street	81		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	6 inch.	Commodore	From north line Superior street, south	6		*
West	"	Commonwealth	From pipe in Stanley avenue, north	438		*
"	"	"	From pipe in Wade Park avenue, south	459		*
East	"	Congress	From pipe in Frederick street, south to connect	105		
South	"	Cory	From pipe in E. Madison avenue, east	804		*
West	"	Crawford	From pipe in Hough avenue to pipe in Kenmore street	1,990		
"	"	"	From pipe in Hough avenue, south to connect	606		
South	"	Crumb	From east line Woolsey street to west line Ansel avenue	865		*
North	"	Davis Court	From hydrant 776 feet west of Sawtell avenue, west	14		
South	"	Decker	From pipe in E. Madison avenue to pipe in Seedle avenue	1,431		
East	"	Diemer	From pipe in St. Clair street to 85 feet north of Edgar street	676		*
West	"	Dolloff	From pipe in Rockert street, north	52		
"	"	"	From hydrant 8 feet north of Blanche street, south	165		
South	"	Dower	From 278 feet east of Scranton avenue, east	400		
"	"	Edgar	From pipe in Diemer street to pipe in E. Madison avenue	423		*
West	"	Edgewood Place	From pipe in Euclid avenue to Curtis avenue	908		*
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
North...	6 inch.	Ensign	From west line Kinsman street, west to connect	381		
South...	"	Erin	From pipe in Hitchcock street to 85 feet east of Mill street	771		
" ...	"	"	From pipe in Pollock street, east	361		
East.....	"	Everett	From 706 feet south of Payne to north line Perkins avenue	333		
"	"	Fairbanks	From pipe in Colfax street to north line Kinsman street	402		
South...	"	Franklin	From 8 inch pipe in Columbus street to 6 inch pipe in Columbus street	12		Relaid 4 inch to 6 inch.
North...	"	Frederick	From pipe in Congress street to pipe in Bolton avenue	757		
West....	"	Gauge	From 78 feet north of Catharina street to 20 feet north of Catharina street	58		
East.....	"	Giddings	From pipe in Wade Park avenue to north line Wade Park avenue	49		
"	"	"	From pipe in Zoeter avenue to pipe in Melrose avenue	81		
North...	"	Grace	From 537 feet west of Ridge avenue, west	507		
East.....	"	Grape	From pipe in Wine street, north	46		
South...	"	Guthrie	From pipe in Gordon avenue to 140 feet east of Ridge avenue	1,097		
East.....	"	Handy	From pipe in Euclid avenue to south line Payne avenue	1,363		
South ...	"	Harkness	From pipe in Crawford avenue to pipe in Marcy avenue	799		
East.....	"	Harriet..	From pipe in Harriet street to south line Cedar avenue	1,140		
			Forward...			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East..	6 inch.	Hartford	From pipe in Clark avenue, south	2,083		
"	"	Harwood	From pipe in Beyerle street, south	48		
South...	"	Hecker	From pipe in Becker avenue, west	424		
East.....	"	Herald	From 12 feet south of Kinsman street to 95 feet south of Rouse street	834		
"	"	Herbert	From pipe in Francis street to 324 feet north of Butler street	1,051		
West....	"	Herschell	From 9 feet south of north line Marquardt street, south	340		
South...	"	Highland	From 16 feet east of Fairmount street, east	262		
East.....	"	Hodge	From pipe in St. Clair street, south	2,038		
South...	"	Holmden Ext	From 397 feet east of Jennings avenue, east	714		
North...	"	Hope	From pipe in Ridge avenue, west	473		
"	"	Hudson	From 311 feet east of Doan street, east	464		
West....	"	Hugo	From pipe in Independence street to pipe in Beyerle street	321		
North...	"	Hyde	From pipe in Gauge street to pipe in Selden avenue	320		
East.....	"	Irvington	From pipe in Garden street to south line Cedar avenue	1,541		
North...	"	James	From 211 feet east of Merwin street, east	131		
South...	"	Juniata	From pipe in E. Madison avenue, east	317		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
South...	6 inch.	Kenmore	From pipe in Crawford street to pipe in Marcy street	1,218		*
East.....	"	Kensington	From pipe in Euclid avenue to south line Hough avenue	1,419		*
South...	"	Kinkel	From pipe in Pearl street to pipe in Scranton avenue	738		
East.....	"	Kirtland	From north line Superior street, north to connect	398		
South...	"	Lamoille	From east line Berlin street to pipe in Berlin street	24		
" ...	"	Lexington	From pipe in Russell avenue to 5 feet west of Giddings avenue	416		
East.....	"	Leyden	From pipe in Clark avenue to C., C., C. & I. R. R.	1,091		*
"	"	Lincoln	From 4 feet south of north line Platt street, north to connect	412		
West....	"	"	From 398 feet north of Quincy street, south	171		
East.....	"	Lindsley	From pipe in Clark avenue to C., C., C. & I. R. R.	1,371		*
South...	"	Linwood	From pipe in Genesee avenue, west to connect	232		
West. ..	"	Louis	From 226 feet south of Sackett street, south	72		
"	"	Marcy	From pipe in Stanley avenue to 90 feet north of Kinsman street	939		*
East.....	"	Maud	From pipe in St. Clair street to pipe in Grumb street	1,056		*
"	"	McLean	From pipe in Carroll street to 8 feet north of Lorain street	418		
South...	"	Melrose	From pipe in Giddings avenue east	602		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
South...	6 inch.	Meridian	From pipe in Crawford street to pipe in Marcy street	983		*
" ...	"	Metta	From pipe in E. Madison avenue, east	429		
" ...	"	Meyer	From pipe in Scranton avenue, west	286		
West....	"	Milton	From pipe in Castle to pipe in Clark avenue	562		
East....	"	Montrose	From pipe in Wade Park avenue, south	388		
South...	"	Norman	From 221 feet east of Doan street, east	556		*
West....	"	Oakdale	From 925 feet south of Cedar avenue to Quincy street	1,242		
"	"	Otis	From south line Woodland avenue, south	335		
	"	Payne	At intersection of Walnut street	60		
E. & S.	"	Peck	From pipe in St. Clair street to pipe in Becker avenue	893		
South...	"	Pennsylvania	From 386 feet east of Dunham avenue, east	278		
East....	"	Plymouth Place	From pipe in Cedar avenue, south	707		
West....	"	Pollock	From pipe in Walton avenue to 230 feet north of Seymour avenue	840		
East....	"	Poplar	From pipe in Clark avenue, south	1,409		
West....	"	Porter	From pipe in Bessemer avenue, north	931		
East....	"	Prague	From 9 feet north of Wine street, south	33		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
West....	6 inch.	Princeton	From pipe in Linwood avenue, south	692		
South...	"	Quimby	From pipe in Russell avenue to Giddings avenue	421		*
North...	"	Ravine	From pipe in Liberty street to T in Junction street	310		
South...	"	Rawlings	From pipe in Herald street to pipe in E. Madison avenue.	948		
" ...	"	"	From 527 feet east of E. Madison avenue to 71 feet east of Garretson avenue	668		
North...	"	Remington	From pipe in Congress street, east	507		
" ...	"	Robert	From pipe in Selden avenue to pipe in Burton street	569		
South ..	"	Rockert	From pipe in Petrie street to pipe in Dolloff street	574		
West....	"	Russell	From pipe in Whitney street, south to connect	319		
South...	"	Sackett	From pipe in Louis street to Rhodes avenue	1,481		
West....	"	Sayles Avenue	From 1,041 feet south of Cedar avenue to 163 feet north of Quebec street	552		*
" ...	"	Scott	From 502 feet south of Bridge street, south	575		
" ...	"	Selden	From 15 feet south of Newark street to 56 feet south of Carlisle street	1,006		
" ...	"	"	From pipe in Clark avenue to 112 feet south of Trent street	820		
South...	"	Sherman	From 230 feet east of Judson street, east	348		
East.....	"	Smiley	From pipe in Star avenue, north	279		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
West	6 inch.	South Bell	From 1,675 feet south of Cedar avenue, south	24		
"	"	South Logan	From 1,060 feet south of Cedar avenue, south	585		
East	"	Southern	From 821 feet south of Quincy street, south to connect	300		
South	"	Stanley	From pipe in Marcy avenue to pipe in Genesee avenue	847		*
"	"	Stanton	From 4 feet east of Judson street, west	339		
West	"	Streator	From 819 feet north of Quebec street to Quebec street	819		
East	"	Swiss	From pipe in Train street to 20 feet north of Haight street	628		
"	"	Sykora	From pipe in Independence street to 14 feet south of Beyerle street	354		
West	"	Tilden	From north line Euclid avenue, north	8		
South	"	Trenton	From pipe in Wabash street, east	154		
West	"	Van Ness	From pipe in Stanley street, north	565		*
"	"	"	From pipe in Wade Park avenue, south	28		*
East	"	Wabash	From 13 feet north of Trenton street to pipe in Trenton street	44		
South	"	Walton	From east line Pollock street to pipe in Pollock street	36		
East	"	Waltz	From pipe in Sackett street to 8 feet north of south line Berne street	313		
South	"	Warden	From pipe in Pearl street to east line Pearl street	37		4 inch to 6 inch relaid.
			Forward	77,289		

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded	77,289		
South...	6 inch.	Warden	From east line Pearl street, east	15		
North...	"	Waterman	From pipe in Tod street to 254 feet west of Evergreen street	708		
South...	"	West Clinton	From pipe in Gordon avenue, east to connect	30		
" ...	"	West Madison	From pipe in Gordon avenue to east line Aspen street	514		
West....	"	West River	From pipe in Columbus street, north	1,523		
South...	"	Whitney	From west line Russell avenue, east to connect	181		
" ...	"	Willey	From pipe in Columbus street to 27 feet north of C., C., C. & I. R. R. track	711		
North...	"	Wine	From pipe in Prague street to pipe in Grape street	158		
" ...	"	Wren	From pipe in Tod street to pipe in Amelia street	399		
					81,528	
West....	4 inch.	Allman Court Alley	From pipe in Starkweather, south to pipe in Allman Court	202		
South...	"	Allman Court	From 20 feet west of Allman Court alley, east	322		
North...	"	Bartlett Court	From pipe in Harbor, east	393		
West....	"	Berlin Street	From pipe in Lamoille street to pipe in Auburn street	331		
East....	"	Buettner Court	From pipe in Broadway, north	441		
North...	"	Cherry Alley	From west line Perry, west	356		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	4 inch.	Commodore	From 6 inch pipe at Superior street to Payne avenue	762		*
West	"	"	From 6 inch pipe at Superior street to Payne avenue	763		*
"	"	Ditton	From pipe in Rowley street, north	262		
W. & S.	"	Dodge Court	From pipe in Chestnut street, south to angle and then east	529		*
East	"	Evans Court	From pipe in Woodland to 7 feet south of Woodland avenue	54		
North	"	Fairmount Place	From pipe in Fairmount street, west	376		
East	"	Glendale	From 398 feet south of Cedar avenue, south	246		
"	"	Hanover Court	From pipe in Aust street, south	418		
North	"	Keene	From pipe in Penn street to pipe in Jersey street	530		
South	"	North Logan Place	From pipe in North Logan avenue, east	334		
	"	For hydrants		3,732		
					10,041	
East	3 inch.	North Place	From 246 feet north of Garden street, north	91		
					91	

* These streets were ordered laid at the expense of the property owners, money to be refunded when the annual revenues amount to 8 per cent. of the cost.

LOW SERVICE DISTRICT.—SCHEDULE OF PIPE TAKEN OUT AND ABANDONED IN 1889.

Size of pipe taken out or abandoned.	Size of pipe Relaid.	Street.	Between What Points.	Feet.	Total.	Remarks.
8 inch.	8 inch.	Merwin	From T in West street to north line Center street	341	341	Cement pipe taken out and relaid.
4 inch.	8 inch.	Huron	From east line Sheriff street, east	28		
"	6 inch.	Franklin	From 8 inch pipe in Columbus street to 6 inch pipe in Columbus street	12		Taken out and relaid.
"	"	Warden	From pipe in Pearl street to east line Pearl street	37	77	Taken out and relaid.
3 inch.		Taken out with hydr'ts		30	30	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	6 inch.	Commodore	From north line Superior street, south	6		*
West	"	Commonwealth	From pipe in Stanley avenue, north	438		*
"	"	"	From pipe in Wade Park avenue, south	459		*
East	"	Congress	From pipe in Frederick street, south to connect	105		
South	"	Cory	From pipe in E. Madison avenue, east	804		*
West	"	Crawford	From pipe in Hough avenue to pipe in Kenmore street	1,990		
"	"	"	From pipe in Hough avenue, south to connect	606		
South	"	Crumb	From east line Woolsey street to west line Ansel avenue	865		*
North	"	Davis Court	From hydrant 776 feet west of Sawtell avenue, west	14		
South	"	Decker	From pipe in E. Madison avenue to pipe in Seedle avenue	1,431		
East	"	Diemer	From pipe in St. Clair street to 85 feet north of Edgar street	676		*
West	"	Dolloff	From pipe in Rockert street, north	52		
"	"	"	From hydrant 8 feet north of Blanche street, south	165		
South	"	Dower	From 278 feet east of Scranton avenue, east	400		
"	"	Edgar	From pipe in Diemer street to pipe in E. Madison avenue	423		*
West	"	Edgewood Place	From pipe in Euclid avenue to Curtis avenue	908		*
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
North...	6 inch.	Ensign	From west line Kinsman street, west to connect	381		
South...	"	Erin	From pipe in Hitchcock street to 85 feet east of Mill street	771		
" ...	"	"	From pipe in Pollock street, east	361		
East.....	"	Everett	From 706 feet south of Payne to north line Perkins avenue	333		
"	"	Fairbanks	From pipe in Colfax street to north line Kinsman street	402		
South...	"	Franklin	From 8 inch pipe in Columbus street to 6 inch pipe in Columbus street	12		Relaid 4 inch to 6 inch.
North...	"	Frederick	From pipe in Congress street to pipe in Bolton avenue	757		
West....	"	Gauge	From 78 feet north of Catharina street to 20 feet north of Catharina street	58		
East.....	"	Giddings	From pipe in Wade Park avenue to north line Wade Park avenue	49		
"	"	"	From pipe in Zoeter avenue to pipe in Melrose avenue	81		
North...	"	Grace	From 537 feet west of Ridge avenue, west	507		
East.....	"	Grape	From pipe in Wine street, north	46		
South...	"	Guthrie	From pipe in Gordon avenue to 140 feet east of Ridge avenue	1,097		
East.....	"	Handy	From pipe in Euclid avenue to south line Payne avenue	1,363		
South ..	"	Harkness	From pipe in Crawford avenue to pipe in Marcy avenue	799		
East.....	"	Harriet..	From pipe in Harriet street to south line Cedar avenue	1,140		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	6 inch.	Hartford	From pipe in Clark avenue, south	2,083		
"	"	Harwood	From pipe in Beyerle street, south	48		
South	"	Hecker	From pipe in Becker avenue, west	424		
East	"	Herald	From 12 feet south of Kinsman street to 95 feet south of Rouse street	834		
"	"	Herbert	From pipe in Francis street to 324 feet north of Butler street	1,051		
West	"	Herschell	From 9 feet south of north line Marquardt street, south	340		
South	"	Highland	From 16 feet east of Fairmount street, east	262		
East	"	Hodge	From pipe in St. Clair street, south	2,038		
South	"	Holmden Ext.	From 397 feet east of Jennings avenue, east	714		
North	"	Hope	From pipe in Ridge avenue, west	473		
"	"	Hudson	From 311 feet east of Doan street, east	464		*
West	"	Hugo	From pipe in Independence street to pipe in Beyerle street	321		
North	"	Hyde	From pipe in Gauge street to pipe in Selden avenue	320		
East	"	Irvington	From pipe in Garden street to south line Cedar avenue	1,541		*
North	"	James	From 211 feet east of Merwin street, east	131		
South	"	Juniata	From pipe in E. Madison avenue, east	317		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
South...	6 inch.	Kenmore	From pipe in Crawford street to pipe in Marcy street	1,218		*
East.....	"	Kensington	From pipe in Euclid avenue to south line Hough avenue	1,419		*
South...	"	Kinkel	From pipe in Pearl street to pipe in Scranton avenue	738		
East.....	"	Kirtland	From north line Superior street, north to connect	398		
South...	"	Lamoille	From east line Berlin street to pipe in Berlin street	24		
" ...	"	Lexington	From pipe in Russell avenue to 5 feet west of Giddings avenue	416		
East.....	"	Leyden	From pipe in Clark avenue to C., C., C. & I. R. R.	1,091		*
"	"	Lincoln	From 4 feet south of north line Platt street, north to connect	412		
West....	"	"	From 398 feet north of Quincy street, south	171		
East.....	"	Lindsley	From pipe in Clark avenue to C., C., C. & I. R. R.	1,371		*
South...	"	Linwood	From pipe in Genesee avenue, west to connect	232		
West...	"	Louis	From 226 feet south of Sackett street, south	72		
"	"	Marcy	From pipe in Stanley avenue to 90 feet north of Kinsman street	939		*
East.....	"	Maud	From pipe in St. Clair street to pipe in Grumb street	1,056		*
"	"	McLean	From pipe in Carroll street to 8 feet north of Lorain street	418		
South...	"	Melrose	From pipe in Giddings avenue east	602		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
South...	6 inch.	Meridian	From pipe in Crawford street to pipe in Marcy street	983		*
" ...	"	Metta	From pipe in E. Madison avenue, east	429		
" ...	"	Meyer	From pipe in Scranton avenue, west	286		
West....	"	Milton	From pipe in Castle to pipe in Clark avenue	562		
East.....	"	Montrose	From pipe in Wade Park avenue, south	388		
South...	"	Norman	From 221 feet east of Doan street, east	556		*
West....	"	Oakdale	From 925 feet south of Cedar avenue to Quincy street	1,242		
"	"	Otis	From south line Woodland avenue, south	335		
	"	Payne	At intersection of Walnut street	60		
E. & S.	"	Peck	From pipe in St. Clair street to pipe in Becker avenue	893		
South...	"	Pennsylvania	From 336 feet east of Dunham avenue, east	278		
East.....	"	Plymouth Place	From pipe in Cedar avenue, south	707		
West....	"	Pollock	From pipe in Walton avenue to 250 feet north of Seymour avenue	840		
East.....	"	Poplar	From pipe in Clark avenue, south	1,409		
West....	"	Porter	From pipe in Bessemer avenue, north	931		
East.....	"	Prague	From 9 feet north of Wine street, south	33		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
West	6 inch.	Princeton	From pipe in Linwood avenue, south	692		
South	"	Quimby	From pipe in Russell avenue to Giddings avenue	421		*
North	"	Ravine	From pipe in Liberty street to T in Junction street	310		
South	"	Rawlings	From pipe in Herald street to pipe in E. Madison avenue	948		
"	"	"	From 527 feet east of E. Madison avenue to 71 feet east of Garretson avenue	668		
North	"	Remington	From pipe in Congress street, east	507		
"	"	Robert	From pipe in Selden avenue to pipe in Burton street	569		
South	"	Rockert	From pipe in Petrie street to pipe in Dolloff street	574		
West	"	Russell	From pipe in Whitney street, south to connect	319		
South	"	Sackett	From pipe in Louis street to Rhodes avenue	1,481		
West	"	Sayles Avenue	From 1,041 feet south of Cedar avenue to 163 feet north of Quebec street	552		*
"	"	Scott	From 502 feet south of Bridge street, south	575		
"	"	Selden	From 15 feet south of Newark street to 56 feet south of Carlisle street	1,006		
"	"	"	From pipe in Clark avenue to 112 feet south of Trent street	820		
South	"	Sherman	From 230 feet east of Judson street, east	348		
East	"	Smiley	From pipe in Star avenue, north	279		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
West	6 inch.	South Bell	From 1,675 feet south of Cedar avenue, south	24		
"	"	South Logan	From 1,060 feet south of Cedar avenue, south	585		
East	"	Southern	From 821 feet south of Quincy street, south to connect	300		
South	"	Stanley	From pipe in Marcy avenue to pipe in Genesee avenue	847		*
"	"	Stanton	From 4 feet east of Judson street, west	339		
West	"	Streator	From 819 feet north of Quebec street to Quebec street	819		
East	"	Swiss	From pipe in Train street to 20 feet north of Haight street	628		
"	"	Sykora	From pipe in Independence street to 14 feet south of Beyerle street	354		
West	"	Tilden	From north line Euclid avenue, north	8		
South	"	Trenton	From pipe in Wabash street, east	154		
West	"	Van Ness	From pipe in Stanley street, north	565		*
"	"	"	From pipe in Wade Park avenue, south	28		*
East	"	Wabash	From 13 feet north of Trenton street to pipe in Trenton street	44		
South	"	Walton	From east line Pollock street to pipe in Pollock street	36		
East	"	Waltz	From pipe in Sackett street to 8 feet north of south line Berne street	313		
South	"	Warden	From pipe in Pearl street to east line Pearl street	37		4 inch to 6 inch relaid.
			Forward	77,289		

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded	77,289		
South	6 inch.	Warden	From east line Pearl street, east	15		
North	"	Waterman	From pipe in Tod street to 254 feet west of Evergreen street	708		
South	"	West Clinton	From pipe in Gordon avenue, east to connect	30		
"	"	West Madison	From pipe in Gordon avenue to east line Aspen street	514		
West	"	West River	From pipe in Columbus street, north	1,523		
South	"	Whitney	From west line Russell avenue, east to connect	181		
"	"	Willey	From pipe in Columbus street to 27 feet north of C., C., C. & I. R. R. track	711		
North	"	Wine	From pipe in Prague street to pipe in Grape street	158		
"	"	Wren	From pipe in Tod street to pipe in Amelia street	399		
					81,528	
West	4 inch.	Allman Court Alley	From pipe in Starkweather, south to pipe in Allman Court	202		
South	"	Allman Court	From 20 feet west of Allman Court alley, east	322		
North	"	Bartlett Court	From pipe in Harbor, east	393		
West	"	Berlin Street	From pipe in Lamoille street to pipe in Auburn street	331		
East	"	Buettner Court	From pipe in Broadway, north	441		
North	"	Cherry Alley	From west line Perry, west	356		
			Forward			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
			Forwarded			
East	4 inch.	Commodore	From 6 inch pipe at Superior street to Payne avenue	762		*
West	"	"	From 6 inch pipe at Superior street to Payne avenue	763		*
"	"	Ditton	From pipe in Rowley street, north	262		
W. & S.	"	Dodge Court	From pipe in Chestnut street, south to angle and then east	529		*
East	"	Evans Court	From pipe in Woodland to 7 feet south of Woodland avenue	54		
North	"	Fairmount Place	From pipe in Fairmount street, west	376		
East	"	Glendale	From 398 feet south of Cedar avenue, south	246		
"	"	Hanover Court	From pipe in Aust street, south	418		
North	"	Keene	From pipe in Penn street to pipe in Jersey street	530		
South	"	North Logan Place	From pipe in North Logan avenue, east	334		
	"	For hydrants		3,732		
					10,041	
East	3 inch.	North Place	From 246 feet north of Garden street, north	91		
					91	

* These streets were ordered laid at the expense of the property owners, money to be refunded when the annual revenues amount to 8 per cent. of the cost.

LOW SERVICE DISTRICT.—SCHEDULE OF PIPE TAKEN OUT AND ABANDONED IN 1889.

Size of pipe taken out or abandoned.	Size of pipe Relaid.	Street.	Between What Points.	Feet.	Total.	Remarks.
8 inch.	8 inch.	Merwin	From T in West street to north line Center street	341	341	Cement pipe taken out and relaid.
4 inch.	8 inch.	Huron	From east line Sheriff street, east	28		
"	6 inch.	Franklin	From 8 inch pipe in Columbus street to 6 inch pipe in Columbus street	12		Taken out and relaid.
"	"	Warden	From pipe in Pearl street to east line Pearl street	37	77	Taken out and relaid.
3 inch.		Taken out with hydr'ts		30	30	

LOW SERVICE DISTRICT.—TOTAL FEET OF PIPE LAID TO DECEMBER 31, 1889.

Diameter of Pipe.	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.	3 inch.
Previous to 1889	14,248	60,386	12,321	11,105	14,819	13,405	76,763	242,872	751,594	142,689	14,717
Laid in 1889	4,920	.....	.....	.....	.....	1,074	9	18,260	81,528	10,041	91
Total	19,168	60,386	12,321	11,105	14,819	14,479	76,772	261,132	833,122	152,730	14,808
Taken out and abandoned in 1889	.....	.....	.....	.....	.....	.....	.....	341	.....	77	30
Total in use December 31, 1889	19,168	60,386	12,321	11,105	14,819	14,479	76,772	260,791	833,122	152,653	14,778
	117,799					1,352,595					

RECAPITULATION.

117,799 feet of supply main	equal	to	22	miles	1,639 feet
1,352,595 feet of distributing main	equal	to	256	miles	915 feet.
1,470,394 feet of main.	equal	to	278	miles	2,554 feet.
4,920 feet of increased supply main	equal	to	.0	miles	4,920 feet.
110,555 feet of increased distributing main	equal	to	20	miles	4,955 feet.
115,475 feet of main	equal	to	21	miles	4,595 feet.

SCHEDULE OF PIPE LOWERED IN 1889.

Size.	Street.	Between What Points.	Feet.	Total.
10 inch.	Willson avenue	From 49 feet north of north line Hough to 29 feet south of south line Mason	160	
"	"	From 177 feet north of Perkins street to north line Curtis avenue	330	
				490
8 inch.	Bolton	From pipe in Cedar avenue to 283 feet north of Prospect street	1,065	
"	Hough	From pipe in Willson avenue to 24 feet east of Willson avenue	82	
"	Lorain	From Gordon avenue to Chestnut Ridge	1,385	
"	St. Clair	From Becker avenue to Ansel avenue	2,547	
"	Wade Park avenue	From 45 feet west of Genesee avenue, west 486 feet	486	
				5,565
6 inch.	Atwater	From Pratt to 241 feet south	241	
"	Auburn	At Pearl street	28	
"	Barber	At Pearl street	71	
"	Chestnut Ridge	Lorain street intersection	66	
"	Dodge	From north line Euclid avenue to 312 feet north of Euclid avenue	312	
"	Fillmore	At Pearl street	24	
"	Jessie	From Cedar avenue, 1,000 feet south	1,000	
8 in. and 6 in.	Pearl	From 62 ft. north of north line Fillmore st. to 31 ft. south of north line Erin av.	2,445	
6 inch.	Potter Court	At Pearl street	40	
"	Queen	At Pearl street	26	

SCHEDULE OF PIPE LOWERED IN 1889—*Continued.*

Size.	Street.	Between What Points.	Feet.	Total.
6 inch.	Seymour	At Pearl street	160	
"	South Bell	From Cedar avenue, 685 feet south	685	
"	Vega	At Pearl street	96	
"	Windsor	At Willson avenue	44	
"	Wade avenue	At Pearl street	131	
				5,369
4 inch.	Perry	From Euclid avenue to Prospect street	408	
"	Pearl Court	At Pearl street	40	
				448

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889.

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
South...	10 inch.	Union	From east line Groton street, west	684		
" ...	"	"	From pipe in Patton street to 12 feet west of Woodland Hills avenue	878		
West....	"	Woodland Hills avenue....	From 12 feet south of Harvard street to 88 feet south of Gaylord	391		
"	"	" "	From 8 inch pipe in Kinsman street to pipe in Harris avenue..	415		
					2,368	
West....	8 inch.	Brecksville	From 14 feet south of Broadway to 145 feet south of Fleet street, to connect...	914		
East.....	"	Upton	From pipe in Bessemer street, north	485		
					1,399	
South...	6 inch.	Arthur	From pipe in Woodland Hills avenue, west	833		
East.....	"	Atwater	From north line Pratt street to pipe in Pratt street	14		
West....	"	Bissell	From 33 feet north of Clement to Park street	298		
East.....	"	Burdock	From pipe in Preble street, south	872		*
North...	"	Cumberland	From pipe in Oakdale street to 182 feet west of Woodland Hills avenue	1,340		
" ...	"	Davis	From pipe in Atlantic street to pipe in Fredwill street	318		*
West....	"	Eben	From pipe in Harvard street to pipe in Finney street	810		
South...	"	Finney	From pipe in Eben street, west to connect	19		
" ...	"	"	From pipe in Hooker street, west	89		
East.....	"	Fredwill	From pipe in Davis street to pipe in Preble	1,015		*
South...	"	Gaylord	From 9 feet west of Ruggles alley, west	164		

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING THE EXTENSION OF WATER PIPE IN 1889—*Continued.*

Side.	Size.	Street.	Between What Points.	Feet Laid.	Total.	Remarks.
West....	6 inch.	Groton	From pipe in Union street, south	324		
South...	"	Haddock	From 325 feet east of Patton street to 115 feet west of Woodland Hills ave...	453		
" ...	"	Harris	From pipe in Woodland Hills avenue to pipe in Niagara street	704		*
West....	"	Hooker	From pipe in Harvard street to pipe in Finney street	796		
"	"	McConnell	From pipe in Covington street, south	120		
"	"	Niagara	From pipe in Harris avenue, north	318		*
East.....	"	Oakdale	From pipe in Steinway avenue to pipe in Cumberland street	570		
South...	"	Pratt	From pipe in Atwater street, west	321		
" ...	"	Preble	From pipe in Fredwill street to pipe in Burdock street	302		*
West....	"	Rural	From pipe in Union street to pipe in Aetna street	1,552		
"	"	Stafford	From pipe in Union street to pipe in Aetna street	1,546		
"	"	Wageman	From pipe in Union street, south	651		
"	"	Wilcox	From pipe in Fullerton street to north line Canton street	727		
					14,156	
	4 inch.	For hydrants		648		
					648	

* These streets were ordered laid at the expense of the property owner; money to be refunded when the annual revenue amounts to 8 per cent. of the cost.

HIGH SERVICE DISTRICT.—TOTAL FEET OF PIPE LAID TO DECEMBER 31, 1889.

Diameter of Pipe.	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.	3 inch.
Previous to 1889	.....	16,308	2,814	6,070	3,378	12,373	14,522	11,850	30,565	2,916	.....
Laid in 1889	.....	.....	.....	.....	.....	.....	2,368	1,399	14,156	648	.....
Total in use December 31, 1889	.....	16,308	2,814	6,070	3,378	12,373	16,890	13,249	44,721	3,564	.....
	28,570					90,797					

RECAPITULATION.

28,570	feet of supply main	equal to	5 miles	2,170 feet.
90,797	feet of distributing main	equal to	17 miles	1,037 feet.
119,367	feet of main	equal to	22 miles	3,207 feet.
18,571	feet of increased main	equal to	3 miles	2,731 feet.

MILEAGE OF PIPE IN LOW AND HIGH SERVICE DISTRICTS.

278 miles	2,554 feet	in Low Service District.
22 miles	3,207 feet	in High Service District.
301 miles	481 feet	in both districts.
21 miles	4,595 feet	increase in Low Service District.
3 miles	2,731 feet	increase in High Service District.
25 miles	2,046 feet	increase in both districts.
	448 feet of pipe	relaid and lowered.
2 miles	1,312 feet of pipe	lowered.
2 miles	1,760 feet of pipe	relaid and lowered.

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889.

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	Abram	230	N. of Castle Ave	
1	4 "	North	Allman Court	20	W. of Allman Court Alley	
1	4 "	South	"	282	E. " " "	
1	4 "	East	Alum	312	S. of Lorain St	
1	4 "	"	"	695	" "	
1	4 "	"	"	261	" Clark Ave	
1	4 "	"	"		At Frontier St	
1	4 "	"	"	280	S. of "	
1	4 "	"	"	602	" "	
1	4 "	"	Amelia	168	" Wren St	
1	4 "	West	Athey	330	N. of Independence St	
1	4 "	North	Bartlett Court	360	E. of Harbor St	
1	4 "	East	Becker Ave	200	N. of Bliss St	
1	4 "	"	" "	112	S. of Peck Ave	
1	4 "	"	" "	192	N. of "	
1	4 "	"	" "	317	S. of St. Clair St	
1	4 "	"	" Place	177	" "	
1	4 "	"	" "	533	" "	
1	4 "	"	Bismark	290	S. of Woodland Ave	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	Bismark	607	S. of Woodland Ave	
1	4 "	"	"	917	" "	
1	4 "	West	Bolton	270	" Hough Ave	
1	4 "	"	"		At N. L. Capitol St	
1	4 "	"	"		At Frederick St	
1	4 "	East	"		At Nevada St	
1	4 "	West	"		At Kennedy St	
1	4 "	"	"	165	S. of Kennedy St	
1	4 "	"	Brighton	325	" Meyer Ave	
1	4 "	"	"		At N. L. Sackett St	
1	4 "	"	"	240	S. of "	
1	4 "	"	Brooklyn	296	" "	
1	4 "	East	Buettner Court	96	N. of Broadway	
1	4 "	"	" "	417	" "	
1	4 "	West	Burt	961	S. of Cedar Ave	
1	4 "	East	Burton	37	N. of Trent St	
1	4 "	"	"	9	" Newark	
1	4 "	"	"		At Hyde St	
1	4 "	"	"		At N. L. Carlisle St	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	North	Butler	348	W. of Herbert St.	
1	4 "	East	Calvert	251	S. of Cedar Ave.	
1	4 "	"	"	294	N. of Garden St.	
1	4 "	"	"		At Garden St.	
1	4 "	South	Carry		At Willson Ave.	
1	4 "	North	Cherry Alley		At Perry St.	
1	4 "	"	" "	356	W. of Perry St.	
1	4 "	South	Clark	33	E. of Leyden St.	
1	4 "	"	"		At Lindsley St.	
1	4 "	"	"	193	E. of Ridge Ave.	
1	4 "	"	Cloud	219	W. of Burton St.	
1	4 "	"	"		At Alaska St.	
1	4 "	East	Coe	25	S. of Hamilton St.	
1	4 "	"	"	314	S. of Lake St.	
1	4 "	South	Colfax	282	W. of Fairbanks St.	
1	4 "	"	"	123	W. of Herald St.	
1	4 "	"	"	318	W. of Northeast Ave	
1	4 "	"	Colgate	404	W. of Ridge Ave.	
1	4 "	East	Commodore	180	S. of Superior St.	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	Commodore		At Payne Ave	
1	4 "	West	"		" "	
1	4 "	"	"	292	N. of "	
1	4 "	"	Commonwealth	206	Stanley Ave	
1	4 "	"	"	14	S. of Wade Park Ave	
1	4 "	"	"	343	" " "	
1	4 "	"	"	433	" " "	
1	4 "	South	Cory	353	E. of E. Madison Ave	
1	4 "	"	"	785	" "	
1	4 "	West	Crawford	269	S. of Hough Ave	
1	4 "	"	"	184	N. of "	
1	4 "	"	"	475	" "	
1	4 "	"	"	303	S. of Harkness Ave	
1	4 "	"	"		At "	
1	4 "	East	"		At Meridian St	
1	4 "	West	"	246	N. of "	
1	4 "	East	"		At Kenmore St	
1	4 "	South	Crumb		At Woolsey Ave	
1	4 "	"	"		At Ida St	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Crumb		At Ansel Ave	
1	4 "	"	Decker	634	E. of E. Madison Ave	
1	4 "	"	"	349	W. of Seedle Ave	
1	4 "	East	Diemer	207	N. of St. Clair St	
1	4 "	"	"	85	" Edgar St	
1	4 "	West	Ditton	253	" Rowley St	
1	4 "	"	Dodge Court	190	S. of Chestnut St	
1	4 "	South	"	221	E. of angle in street	
1	4 "	West	Dolloff St	30	N. of Rockert St	
1	4 "	"	"	110	S. of Blanche St	
1	4 "	South	Dower	678	E. of Scranton Ave	
1	4 "	East	E. Madison	355	S. of Kinsman St	
1	4 "	"	"	123	N. of Bristol St	
1	4 "	West	"	458	" "	
1	4 "	East	"	55	S. of Holton St	
1	4 "	"	"	401	" Cedar Ave	
1	4 "	"	"	213	" E. Prospect St	
1	4 "	"	"		At Metta St	
1	4 "	"	"		At Juniata St	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	E. Madison	240	N. of Juniata St.	
1	4 "	South	E. Prospect	575	E. of Schieley Court	
1	4 "	"	"	885	" " "	
1	4 "	"	"	1225	" " "	
1	4 "	"	Edgar		At E. Madison Ave.	
1	4 "	West	Edgewood Place	159	N. of Euclid Ave.	
1	4 "	"	" "	348	S. of Curtis Ave	
1	4 "	"	" "	149	At "	
1	4 "	South	Erin		W. of Mill St.	
1	4 "	"	"	159	E. of Hitchcock St.	
1	4 "	"	"	325	" Pollock St.	
1	4 "	East	Everett		At Perkins Ave.	
1	4 "	"	Fairbanks	22	S. of Colfax St.	
1	4 "	North	Fairmount Place	353	W. of Fairmount St.	
1	4 "	"	Frederick	330	E. of Congress St.	
1	4 "	East	Glendale	644	S. of Cedar Ave.	
1	4 "	North	Grace	1044	W. of Ridge Ave.	
1	4 "	East	Grape	16	N. of Wine St.	
1	4 "	South	Guthrie	254	W. of Gordon Ave.	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Guthrie	570	N. of Gordon Ave	
1	4 "	"	"	318	E. of Ridge Ave	
1	4 "	"	"	140	" "	
1	4 "	East	Handy	279	N. of Euclid Ave	
1	4 "	"	"	621	" "	
1	4 "	"	"	347	S. of Payne Ave	
1	4 "	"	"		At "	
1	4 "	West	Hanover Court	400	S. of Aust St	
1	4 "	South	Harkness	359	E. of Marcy Ave	
1	4 "	"	"		At "	
1	4 "	East	Harriet	363	N. of Harnet St	
1	4 "	"	"	376	S. of Cedar Ave	
1	4 "	"	"		At "	
1	4 "	"	Hartford	159	S. of Clark Ave	
1	4 "	"	"	302	N. of Oakley St	
1	4 "	"	"	38	S. of "	
1	4 "	"	"	380	" "	
1	4 "	"	"	724	" "	
1	4 "	"	"	323	" Bragdon St	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Harwood	14	W. of Beyerle St	
1	4 "	"	Hecker	384	" Becker Ave	
1	4 "	East	Herald	210	S. of Kinsman St	
1	4 "	"	"	82	" Port St	
1	4 "	"	"	95	" Rouse St	
1	4 "	"	Herbert		At Carpenter St	
1	4 "	"	"		At Butler St	
1	4 "	"	"	324	N. of "	
1	4 "	West	Hershell	317	S. of Marquardt St	
1	4 "	South	Highland	278	E. of Fairmount St	
1	4 "	East	Hodge	303	S. of St. Clair St	
1	4 "	"	"	636	" "	
1	4 "	"	"	965	" "	
1	4 "	"	"	1295	" "	
1	4 "	"	"	1634	" "	
1	4 "	"	"	1984	" "	
1	4 "	South	Holmdon Extension	736	E. of Jennings Ave	
1	4 "	"	" "	1109	" "	
1	4 "	North	Hope	261	W. of Ridge Ave	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	North	Hope	437	W. of Ridge Ave	
1	4 "	South	Hough		At Giddings Ave	
1	4 "	"	"	364	W. of Russell Ave	
1	4 "	North	Hudson	775	E. of Doan St	
1	4 "	"	Hyde		At Selden St	
1	4 "	West	Independence		At Athey St	
1	4 "	East	"		At Hunting St	
1	4 "	"	"		At Beyerle St	
1	4 "	"	"	227	S. of Sykora St	
1	4 "	"	"		At "	
1	4 "	"	"		At Hugo St	
1	4 "	"	"		At Reeves St	
1	4 "	"	"		At Winnenden St	
1	4 "	"	Irvington	256	N. of Garden St.	
1	4 "	"	"	573	" "	
1	4 "	"	"	615	S. of Cedar Ave	
1	4 "	"	"	300	" "	
1	4 "	"	"		At "	
1	4 "	South	James	342	E. of Merwin St.	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Juniata	305	E. of E. Madison Ave.	
1	4 "	"	Keene		At Penn St.	
1	4 "	"	Kenmore	282	W. of Crawford St	
1	4 "	"	"	548	E. of Marcy Ave.	
1	4 "	"	"	209	" "	
1	4 "	East	Kensington	289	N. of Euclid Ave.	
1	4 "	"	"	645	" "	
1	4 "	"	"	368	S. of Hough Ave.	
1	4 "	"	"	12	" "	
1	4 "	South	Kinkel	330	E. of Pearl St.	
1	4 "	"	Lake	98	" Kirtland St.	
1	4 "	"	"	394	" "	
1	4 "	North	"	400	" Erie	
C1	3 to 4	"	"		At Ross.	
1	4 inch.	South	Lexington		At Giddings Ave.	
1	4 "	East	Leyden	305	S. of Clark Ave.	
1	4 "	"	"	40	" Camden St.	
1	4 "	"	"		At C., C., C. & St. L. R. R.	
1	4 "	West	Lincoln	227	N. of Quincy St.	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	Lindsley	266	S. of Clark Ave	
1	4 "	"	"		At Camden St	
1	4 "	"	"	356	S. of "	
1	4 "	"	"		At C., C., C. & St. L. R. R.	
1	4 "	North	Lorain	15	W. of Fawn Alley	
1	4 "	"	"	158	E. of Dove St	
1	4 "	"	"	144	W. of "	
1	4 "	"	"	194	E. of Geib St	
1	4 "	"	"	114	W. of "	
1	4 "	West	Marcy	9	N. of Stanley St	
1	4 "	"	"		At Meridian St	
1	4 "	"	"	90	N. of Kenmore St	
1	4 "	East	Maud	170	S. of St. Clair St	
1	4 "	"	"	398	N. of Crumb St	
1	4 "	"	"		At "	
1	4 "	West	McLean		At Market St	
1	4 "	East	"		At Carroll St	
1	4 "	South	Melrose	243	E. of Giddings Ave	
1	4 "	"	"	578	" "	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Meridian	302	W. of Crawford St.	
1	4 "	"	"	298	E. of Marcy Ave.	
1	4 "	West	Merwin	38	N. of Center St.	
1	3 to 4	East	"		At West St.	
1	4 inch.	South	Metta	418	E. of E. Madison Ave.	
1	4 "	"	Meyer	247	W. of Scranton Ave.	
1	4 "	West	Milton	247	N. of Clark Ave.	
1	4 "	East	Montrose	362	S. of Wade Park Ave.	
1	4 "	North	Norman	777	E. of Doan St.	
1	4 "	South	N. Logan Place	300	" N. Logan Ave.	
1	4 "	West	Oakdale	582	N. of Quebec St.	
1	4 "	"	"	292	" "	
1	4 "	"	"		At "	
1	4 "	"	"		At Quincy St.	
1	4 "	"	Otis		At Woodland Ave.	
1	4 "	"	"	335	S. of "	
1	4 "	North	Payne	424	W. of Dodge St.	
1	4 "	West	Pearl		At Fillmore St.	
1	4 "	"	"	78	S. of Potter Court	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	Pearl	119	N. of Vega Ave	
1	4 "	"	"		At Seymour Ave	
1	4 "	South	Peck	180	W. of Becker Ave	
1	4 "	East	"	231	S. of St. Clair St	
1	4 "	South	Pennsylvania	664	E. of Dunham Ave	
1	4 "	West	Perry	171	S. of Euclid Ave	
1	4 "	East	Plymouth Place	302	" Cedar Ave	
1	4 "	"	" "	686	" "	
1	4 "	West	Pollock	92	" Erin Ave	
1	4 "	"	"		At Seymour Ave	
1	4 "	"	"	239	N. of "	
1	4 "	East	Poplar	355	S. of Clark Ave	
1	4 "	"	"	764	" "	
1	4 "	"	"	1059	" "	
1	4 "	"	"	1359	" "	
1	4 "	West	Porter	69	N. of Hubbard St	
1	4 "	"	"	360	" "	
1	4 "	"	"	622	" "	
1	4 "	"	Princeton	267	S. of Linwood St	

LOW SERVICE DISTRICT:—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	Princeton	678	S. of Linwood St	
1	4 "	South	Quimby		At Giddings Ave	
1	4 "	North	Ravine		At Junction St	
1	4 "	South	Rawlings	315	E. Herald St	
1	4 "	"	"	269	W. of E. Madison Ave	
1	4 "	"	"	197	W. of Garretson St	
1	4 "	"	"	71	E. of "	
1	4 "	North	Remington	213	" Congress St	
1	4 "	"	"	491	" "	
1	4 "	"	Robert	230	" Sheldon Ave	
1	4 "	"	"		At Burton St	
1	4 "	South	Rockert	219	E. of Petrie St	
1	4 "	"	Sackett	10	W. of Pleasant St	
1	4 "	"	"	14	" Walz St	
1	4 "	"	"	329	" "	
1	4 "	"	"	269	E. of Rhodes Ave	
1	4 "	"	"		At "	
1	4 "	West	Sayles	163	N. of Quebec St	
1	4 "	"	"	351	" "	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	Scott	769	S. of Bridge St.	
1	4 "	"	"	1077	" "	
1	4 "	"	Selden	15	S. of Newark St	
1	4 "	"	"	16	N. of Robert St.	
1	4 "	"	"	7	" Carlisle St.	
1	4 "	"	"	56	S. of "	
1	4 "	"	"	302	" Clark Ave.	
1	4 "	"	"		At Trent St.	
1	4 "	"	"	111	S. of "	
1	4 "	South	Sherman	578	E. of Judson St.	
1	4 "	East	Smiley	247	N. of Star Ave.	
1	4 "	West	South Logan	1392	S. of Cedar Ave.	
1	4 "	"	" "	1645	" "	
1	4 "	South	Stanley	94	E. of Van Ness Ave.	
1	4 "	"	"	11	" Genesee Ave.	
1	4 "	"	Stanton	286	W. of Judson St.	
1	4 "	West	Streator		At Quebec St.	
1	4 "	"	"	281	N. of "	
1	4 "	"	"	548	" "	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	Swiss	270	S. of Haight St	
1	4 "	"	"	20	N. of "	
1	4 "	South	Sykora	19	W. of Beyerle St	
1	4 "	"	St. Clair	97	E. of Maud St	
1	4 "	"	Trenton	135	" Wabash St	
1	4 "	West	Van Ness	352	N. of Stanley St	
1	4 "	"	"	539	" "	
1	4 "	South	Wade Park Ave	161	E. of Giddings Ave	
1	4 "	"	" "		At Van Ness Ave	
1	4 "	West	Wall		At Detroit St	
1	4 "	East	Walz		At Berne St	
1	4 "	South	Warden	15	E. of Pearl St	
1	4 "	North	Waterman	99	" Evergreen St	
1	4 "	"	"	254	W. of "	
1	4 "	South	West Madison	196	E. of Gordon Ave	
1	4 "	West	" River	219	N. of Columbus St	
1	4 "	"	" "	536	" "	
1	4 "	"	" "	865	" "	
1	4 "	"	" "	1175	" "	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	West River	1501	N. of Columbus St.	
1	4 "	South	Willey	287	W. of "	
1	4 "	"	"		At C., C., C. & St. L. R. R.	
1	4 "	West	Willson	197	N. of Broadway	
1	4 "	"	"	47	S. of Mumford Place	
1	4 "	"	"	39	N. of Magnet St.	
1	4 "	North	Wren	122	W. of Amelia St.	
311			Total Hydrants.			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS CHANGED IN 1889.

No.	Size Taken up.	Size Set.	Side.	Street.	Feet.	Location.
1	3 inch.	4 inch.	North.....	Lake.....	.....	At Ross Street.
1	3 "	4 "	East.....	Merwin.....	.....	At West Street.
2	3 inch.			Total taken out.		

HYDRANTS MOVED IN 1889.

No.	Size.	Side.	Street.	Feet.	Location.
1	3 inch.	West	Bradford	342	N. of Brook St., moved from 212 feet N. of Brook St.
1	4 "	North	Ensign	61	W. of Kinsman St., moved from 543 feet E. of Willson Ave.
1	4 "	West	Gauge	20	N. of Catherina St., " " 78 " N. of Catherina St.
1	4 "	"	Louis	298	S. of Sackett St., " " 226 " S. of Sackett St.
1	4 "	North	Norman	350	E. of Doan St., " " 221 " E. of Doan St.
1	3 "	East	North Place	337	N. of Garden St., " " 246 " N. of Garden St.
1	4 "	West	South Bell	1691	S. of Cedar Ave., " " 1675 " S. of Cedar Ave.
1	4 "	East	Southern	960	N. of Woodland Ave., " " 877 " N. of Woodland Ave.
8			Total.		

RECAPITULATION OF FIRE HYDRANTS FOR 1889.

4 inch hydrants set in 1889	311
Total hydrants in use December 31, 1888	2,678
Total	2,989
3 inch hydrants taken out in 1889	2
Total hydrants in use December 31, 1889	2,987

Of 2,987 hydrants in use, 94 are 6 inch; the balance are 3 inch and 4 inch.

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889.

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	South	Arthur	210	W. of Woodland Hills Ave	
1	4 "	"	"	489	" " "	
1	4 "	"	"	779	" " "	
1	4 "	West	Bissell		At Park St	
1	4 "	"	Brecksville		At Chambers St	
1	4 "	"	"	143	N. of Fleet St	
1	4 "	East	Burdock	15	S. of Preble St	
1	4 "	"	"	294	" "	
1	4 "	"	"	307	N. of Davis St	
1	4 "	"	"	28	" "	
1	4 "	North	Cumberland	294	E. of Oakdale St	
1	4 "	"	"		At Orwig St	
1	4 "	"	"	278	E. of "	
1	4 "	"	"	183	W. of Woodland Hills Ave	
1	4 "	East	Eben	360	S. of Harvard St	
1	4 "	South	Finney	77	W. of Hooker St	
1	4 "	East	Fredwill		At Davis St	
1	4 "	"	"	317	" "	
1	4 "	"	"	329	S. of Preble St	

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	East	Fredwill	13	S. of Preble St	
1	4 "	South	Gaylord	173	W. of Ruggles Alley	
1	4 "	West	Groton	300	S. of Union St	
1	4 "	South	Haddock	255	W. of Woodland Hills Ave	
1	4 "	"	"	115	" " "	
1	4 "	"	Harris	306	" " "	
1	4 "	"	"		At Niagara St	
1	4 "	West	Hooker	325	S. of Harvard St	
1	4 "	"	"		At Finney St	
1	4 "	"	McConnell	96	S. of Covington St	
1	4 "	"	Niagara	287	N. of Harris St	
1	4 "	East	Oakdale	13	S. of Yeakel St	
1	4 "	"	"		At Cumberland St	
1	4 "	South	Pratt	290	W. of Atwater St	
1	4 "	West	Rural	279	S. of Union St	
1	4 "	"	"	28	N. of Crofoot St	
1	4 "	"	"	236	S. of "	
1	4 "	"	"	272	N. of Aetna St	
1	4 "	"	Stafford	230	S. of Union St	

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1889—*Continued.*

Number.	Size.	Side.	Street.	Feet.	Location.	Remarks.
1	4 inch.	West	Stafford	107	N. of Crofoot St.	
1	4 "	"	"	181	S. of "	
1	4 "	"	"	291	N. of Aetna St.	
1	4 "	South	Union	254	W. of Woodland Hills Ave.	
1	4 "	"	"		At Sawyer St.	
1	4 "	"	"	123	E. of Wright St.	
1	4 "	"	"	166	W. of "	
1	4 "	East	Upton		At Bessemer Ave. (on the East)	
1	4 "	"	"	202	N. of "	
1	4 "	West	Wageman	292	S. of Union St.	
1	4 "	"	"	628	" "	
1	4 "	"	Wilcox	316	" Fullerton St.	
1	4 "	"	"		At Canton St.	
1	4 "	"	Woodland Hills Ave.	167	S. of Harvard	
1	4 "	"	" "	88	" Gaylord	
1	4 "	"	" "	6	N. of Harris Ave.	
54	4 inch.		Total 4 inch Hydrants.			

HIGH SERVICE DISTRICT.—RECAPITULATION OF FIRE HYDRANTS FOR 1889.

4 inch hydrants set in 1889	54
Hydrants in use December 31, 1888	216
Total hydrants in use December 31, 1889	270

Of 270 hydrants, 18 are 6 inch and 252 are 4 inch.

HYDRANTS IN USE IN BOTH DISTRICTS DEC. 31, 1889.

In Low Service District	2,987
In High Service District	270
Total	3,257

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889.

Number.	Size.	Street.	Side.	Location.	Remarks.
1	36 inch.	Washington	North	142 feet east of State street and 21 feet south of north line Washington street	
		Ludlow Check Valve.			
1	36 inch.	Division	North	7 feet south of north line Division street, in discharge main of East Knowles Engine	
1	36 inch.	Washington	North	West line Hanover street, from the north	
1	36 inch.	"	North	110 feet west of West River street and 13 feet south of north line Washington street	
3	36 inch.	Stop Gates.			
1	8 inch.	Bolton	West	South line Hough avenue	
1	"	"	"	South line Capitol street	
1	"	"	"	North line North Woodland	
1	"	"	"	South line North Woodland	
1	"	Burton	East	North line Trent street	
1	"	"	"	North line Robert street	
1	"	Clark	South	West line Leyden street	
1	"	"	"	East line Ridge avenue	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	8 inch.	Coe	East	South line Lake street	
1	"	East Madison	"	South line Holton street	
1	"	"	"	South line East Prospect street	
1	"	"	"	North line Metta street	
1	"	Garden	South	West line Lincoln avenue	
1	"	Gordon	East	North line Lorain street	
1	"	Hough	South	West line Russell avenue	
1	"	Independence	East	North line Huntington street	
1	"	"	"	North line Sykora street	
1	"	"	"	North line Reeves street	
1	"	Lorain	North	West line Ridge avenue, on the south	
1	"	"	"	West line Dove street	
1	"	"	"	East line Geib street	
1	"	Payne	"	West line Dodge street	
1	"	Pearl	West	At City Limits	This valve set in 1886, but not reported.
1	"	Wade Park avenue	South	West line Genesee avenue	
1	"	" "	"	East line Genesee avenue	
25	8 inch.	Total.			

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Abram	West	North line Castle avenue	
1	"	"	"	South line Mentor avenue	
1	"	Alum	East	South line Lorain street	
1	"	"	"	South line Clark avenue	
1	"	"	"	South line Frontier street	
1	"	Athey	West	South line Chard avenue	
1	"	"	"	North line Independence street	
1	"	Becker	East	North line Bliss avenue	
1	"	"	"	South line St. Clair street	
1	"	Becker Place	"	South line St. Clair street	
1	"	Bismark	"	South line Woodland avenue	
1	"	Brighton	West	South line Meyer avenue	
1	"	"	"	North line Meyer avenue	
1	"	"	"	North line Sackett street	
1	"	"	"	South line Sackett street	
1	"	Butler	North	West line Herbert street	
1	"	Calvert	East	North line Garden street	
1	"	Cloud	South	West line Burton street	
1	"	Colfax	"	East line Sharon	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Colfax	South..	West line Northeast avenue	
1	"	Colgate	"	West line Ridge avenue	
1	"	Commonwealth	West...	North line Stanley avenue	
1	"	"	"	South line Wade Park avenue	
1	"	Cory	South..	East line East Madison avenue	
1	"	Crawford	West...	South line Hough avenue	
1	"	"	"	North line Hough avenue	
1	"	"	"	North line Harkness avenue	
1	"	"	"	South line Kenmore street	
1	"	Decker	South..	East line East Madison avenue	
1	"	"	"	West line Seedle avenue	
1	"	Diemer	East....	North line St. Clair street	
1	"	Edgar	South..	East line Diemer street	
1	"	"	"	West line East Madison avenue	
1	"	Edgewood Place	West...	North line Euclid avenue	
1	"	Erin	South..	East line Mill street	
1	"	"	"	West line Mill street	
1	"	"	"	East line Hitchcock street	
1	"	"	"	East line Pollock street	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Fairbanks	East	South line Colfax street	
1	"	Fillmore	North	West line Pearl street	
1	"	Frederick	"	West line Bolton street	
1	"	"	"	East line Congress street	
1	"	Grape	East	North line Wine street	
1	"	Guthrie	South	West line Gordon avenue	
1	"	Handy	East	North line Euclid avenue	
1	"	Harkness	South	West line Crawford street	
1	"	"	"	East line Marcy avenue	
1	"	Harriet	East	North line Harnet street	
1	"	Hartford	"	South line Clark avenue	
1	"	"	"	South line Oakley street	
1	"	"	"	South line Bragdon street	
1	"	Harwood	South	West line Beyerle street	
1	"	Hecker	"	West line Becker avenue	
1	"	Herald	East	South line Rouse street	
1	"	Herbert	"	North line Francis street	
1	"	Hodge	"	South line St. Clair street	
1	"	"	"	1297 feet south of St. Clair street, south of 4th hydrant	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Hope	North	West line of Ridge avenue	
1	"	Hugo	"	West line Independence	
1	"	Hyde	"	East line Gauge street	
1	"	"	"	West line Selden avenue	
1	"	Irvington	East	North line Garden street	
1	"	Juniata	South	East Line East Madison avenue	
1	"	Kenmore	"	West line Crawford street	
1	"	"	"	East line Marcy avenue	
1	"	Kensington	East	North line Euclid avenue	
1	"	Kinkel	South	West line Scranton	
1	"	"	"	East line Pearl street	
1	"	Leyden	East	South line Clark avenue	
1	"	"	"	South line Camden street	
1	"	Lindsley	"	South line Clark avenue	
1	"	"	"	South line Camden street	
1	"	Linwood	South	West line Genesee avenue	
1	"	Marcy	West	North line Harkness avenue	
1	"	Maud	East	South line St. Clair street	
1	"	"	"	North line Crumb street	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	McLean	East	South line Carroll street	
1	"	Melrose	South	East line Giddings avenue	
1	"	Meridian	"	West line Crawford street	
1	"	"	"	East line Marcy avenue	
1	"	Metta	"	East Line East Madison avenue	
1	"	Meyer	"	West line Scranton avenue	
1	"	Milton	West	North line Clark avenue	
1	"	"	"	South line Castle avenue	
1	"	Montrose	East	South line Wade Park avenue	
1	"	Oak Isle	West	582 feet north of Quebec street	At second hydrant north of Quebec street.
1	"	Otis	"	South line Woodland avenue	
1	"	Payne	"	On south line Payne avenue, 776 feet West of Dodge street	On pipe connecting Payne avenue and Walnut street pipes.
1	"	Peck	South	West line Becker avenue	
1	"	"	East	South line St. Clair street	
1	"	Plymouth Place	"	South line Cedar avenue	
1	"	Pollock	West	South line Erin avenue	
1	"	Poplar	East	South line Clark avenue	
1	"	"	"	North line 2nd alley, 1360 feet south of Clark avenue	
1	"	Porter	West	North line Bessemer avenue	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Prague	East	North line Wine street	
1	"	Princeton	West	South line Linwood	
1	"	Queen	South	West line Pearl street	
1	"	Quimby	"	East line Russell avenue	
1	"	Rawlings	"	East line Herald street	
1	"	"	"	West line East Madison avenue	
1	"	Remington	North	East line Congress	
1	"	Robert	"	East line Selden avenue	
1	"	"	"	West line Burton street	
1	"	Rockert	South	East line Petrie street	
1	"	"	"	West line Dolloff street	
1	"	Russell	West	South line Whitney avenue	
1	"	Sackett	South	West line Louis street	
1	"	"	"	West line Walz street	
1	"	Selden	West	South line Clark avenue	
1	"	"	"	South line Hyde	
1	"	Smiley	East	North line Star avenue	
1	"	Stanley	South	West line Marcy avenue	
1	"	"	"	East line Genesee avenue	

LOW SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Swiss	East	North line Train street, on the east	
1	"	Sykora	South	West line Independence street	
1	"	"	"	West line Beyerle street	
1	"	Van Ness	West	North line Stanley avenue	
1	"	"	"	South line Wade Park avenue	
1	"	Wabash	East	North line Trenton street	
1	"	Walton	South	East line Pollock street	
1	"	Walz	East	North line Sackett street	
1	"	Warden	South	East line Pearl street	
1	"	Waterman	North	West line Tod street	
1	"	West Clinton	South	East line Gordon avenue	
1	"	West Madison	"	East line Gordon avenue	
1	"	West River	"	West line Columbus street	
1	"	"	"	At hydrant at Russia street	
1	"	Willey	"	East line Columbus street	
1	"	Wren	North	East line Tod street	
1	"	"	"	West line Amelia street	
131	6 inch.	Total.			

LOW SERVICE DISTRICT.–SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889–*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	4 inch.	Allman Court	West	West line Starkweather avenue	
1	"	Bartlett Court	North	East line Harbor street	
1	"	Berlin	West	South line Lamoille Street	
1	"	Berlin	"	North line Auburn street	
1	"	Buettner Court	East	North line Broadway	
1	"	Cherry Alley	North	West line Perry street	
1	"	Ditton	West	North line Rowley street	
1	"	Dodge Court	"	South line Chestnut street	
1	"	Ensign	North	West line Kinsman street	
1	"	Evans Court	East	South line Woodland avenue	
1	"	Fairmount Place	North	West line Fairmount street	
1	"	Hanover Court	East	South line Aust street	
1	"	Keene	North	West line Jersey street	
1	"	Keene	"	East line Penn street	
1	"	North Logan Place	South	East line North Logan avenue	
1	"	Washington	North	142 feet east of State street and 17½ feet south of north line of Washington	On by pass of Ludlow
311	"	For hydrants			36 inch check valve.
327	4 inch.	Total.			

2 3 inch Stop Gates taken out with Hydrants.

LOW SERVICE DISTRICT.—RECAPITULATION OF STOP GATES FOR 1889.

Water-Way in Inches.	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.	3 inch.	Total.
In use previous to 1889	12	61	11	19	23	51	115	457	1,606	2,678	137	5,170
Set in 1889	3	.....	.....	.....	.....	.....	.....	25	131	327	.....	486
Total	15	61	11	19	23	51	115	482	1,737	3,005	137	5,656
Taken out in 1889	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
Total in use December 31, 1889	15	61	11	19	23	51	115	482	1,737	3,005	135	5,654

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889.

Number.	Size.	Street.	Side.	Location.	Remarks.
1	10 inch.	Union	South..	East line Patton street	
1	"	"	"	East line Groton street	
1	"	Woodland Hills avenue	West...	South line Kinsman street	
3	10 inch.	Total.			
1	8 inch.	Brecksville road	West...	South line Fleet street	
1	"	Upton	East....	North line Bessemer street	
2	8 inch.	Total.			
1	6 inch.	Arthur	South..	West line Woodland Hills avenue	
1	"	Atwater	East....	South line Pratt street	
1	"	Burdock	"	South line Preble street	
1	"	Cumberland	North..	East line Oakdale street	
1	"	"	"	West line Orwig street	
1	"	"	"	East line Orwig street	
1	"	Davis	"	East line Atlantic street	
1	"	Eben	West...	South line Harvard street	
1	"	"	"	North line Finney street	

HIGH SERVICE DISTRICT.—SCHEDULE, SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1889—*Continued.*

Number.	Size.	Street.	Side.	Location.	Remarks.
1	6 inch.	Finney	South..	West line Hooker street	
1	"	Fredwell	East....	North line Davis street	
1	"	"	"	South line Preble street	
1	"	Groton	West...	South line Union street	
1	"	Harris	South..	West line Woodland Hills avenue	
1	"	Hooker	West...	South line Harvard street	
1	"	Niagara	"	North line Harris street	
1	"	Oakdale	East....	North line Steinway avenue	
1	"	Rural	West...	South line Union street	
1	"	"	"	South line Crofoot street	
1	"	"	"	North line Aetna street	
1	"	Stafford street	"	South line Union street	
1	"	"	"	South line Crofoot street	
1	"	"	"	North line Aetna street	
1	"	Wageman	"	South line Union street	
1	"	Wilcox	"	South line Fullerton street	
25	6 inch.	Total.			

54 4-inch Stop Gates for Hydrants.

HIGH SERVICE DISTRICT.—RECAPITULATION OF STOP GATES FOR 1889.

Water-Way in Inches.	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.	3 inch.	Total.
In use previous to 1889	.....	8	1	8	10	30	34	28	95	207	.....	421
Set in 1889	.....	.....	.....	.....	.....	.....	3	2	25	54	.....	84
Total in use December 31, 1889	.....	8	1	8	10	30	37	30	120	261	.....	505

STOP GATES IN USE IN BOTH DISTRICTS DEC. 31, 1889.

In Low Service District	5,654
In High Service District	505
Total in both Districts	6,159

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889.

JANUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	
Machan & Pechin Co.	Boiler covering..	759 54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	759 54	.....	.....
Pay Roll.....	O. & G. expense..	2797 99	.....	.....	855 00	1622 99	.....	.....	.....	.....	.....	320 00	.....	.....	.....	.....
"	Eng. house, etc...	2605 52	.....	.....	.....	.....	1974 61	.....	226 38	75 00	52 00	.....	.....	.....	277 53	.....
"	Gen. repairs, etc.	1079 75	84 15	295 50	.....	264 40	.....	.....	.....	.....	.....	94 50	341 20	.....	.....	.....
W. E. Beck.....	Pipe, etc.....	6 55	.....	6 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
W. Bingham & Co.....	Packing, shovels, etc.....	45 76	.....	2 86	.....	2 30	37 10	.....	.....	.....	.....	3 50	.....	.....	.....	.....
F. & H. Born	Oil can.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	.....	.....
Brooks & Co...	Stationery.....	28 54	.....	.....	.....	5 54	23 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
J. S. Casement & Co..	Estimate.....	9036 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9036 05	.....
Chandler & Fisher.....	Rubber stamp....	1 75	.....	.....	.....	1 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
City of Cleveland.....	Paving.....	15 00	15 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clements Bros.....	Cement..	10 70	.....	.....	.....	.....	2 20	.....	.....	.....	.....	.....	8 50	.....	.....	.....

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JANUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	
Cleveland Gas Co.....	Gas	56 80	.....	.....	.....	56 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cleve. Telephone Co..	Tel'ph'ne service	63 00	.....	15 00	.....	30 00	18 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Davidson & House.....	Sawdust	1 75	.....	.....	.....	1 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jno. Daykin, Jr.....	One horse.....	175 00	.....	175 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
E. Cleveland R.R. Co.	Car tickets.....	50 00	.....	.....	.....	50 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Excelsior Copper Gasket Co.....	Gaskets.....	8 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 40	.....	.....	.....
Farnan's Brass Works	Stop cock boxes..	337 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	337 45	.....	.....	.....	.....
Hugh Harrison	Bricks.....	15 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 58	.....	.....	.....
H. Herron.....	Manure.....	87 50	.....	.....	.....	.....	.....	.....	.....	87 50	.....	.....	.....	.....	.....	.....
E. H. Jones & Co	Meter.....	52 84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52 84	.....	.....	.....
Kelly Island LimeCo.	Lime.....	1 00	.....	.....	.....	.....	1 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lake Shore Foundry.	Special castings.	46 57	46 57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JANUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	
Lord, Bowler & Co.	4 in. Valve	9 90	9 90													
W. A. Madison, Sec'y.	Freight, etc.	11 69				8 44							3 25			
Thos. Manning, Jr., & Co.	Valves	12 48		9 90								2 58				
Matchless Metal Co.	Polish	4 35					4 35									
W. J. Morgan & Co.	Letter heads	40 00				40 00										
H. Mueller Mfg. Co.	Tapp'g machine.	68 40										68 40				
The Nat. Refining Co.	Cylinder Oil	204 75					204 75									
Nevins Ptg. House	Printing	61 81				61 81										
P. O'Brien	Oil	1 65		1 65												
People's Gas Co.	Gas	68 60					68 60									
Rhodes-Beidler Co.	Coal	7 30				7 30										
C. F. Riblet	Horse hire	78 50										87 50				

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JANUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	
John Schuch	Driving pipe	150 00													150 00	
J. J. Shepard	Fire brick	84 30						84 30								
W. P. Southworth & Co.	Soap	4 10					4 10									
Strong, Cobb & Co.	Oil	2 90											2 90			
Union Oil Co.	Oil	53 68					47 25		6 43							
F. A. Wadsworth	1 Elbow	3 54	3 54													
Worswick Mfg. Co.	Plumbers' fitt'gs	76 11											1 56		74 55	
J. S. Casement & Co.	Extra labor	1500 00													1500 00	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

FEBRUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Funnel Account.	Fairmount Reservoir Contract.
Pay Rolls	Labor, etc.	1153 29	360 89	301 87		110 22						87 50	293 31			
"	"	2812 99			8 70	1622 99						320 00				
"	"	2618 97														
W. M. Bayne	Printing	10 50				10 50										
Bell, Cartright & Co.	Scantling	3 84		3 84												
W. Bingham & Co.	Hardware	22 67				3 96	14 24						4 47			
Brooks Building Co.	Meter boxes, etc.	28 05		50		22 80							4 75			
Brooks & Co.	Stationery	5 85			5 85											
Buff & Berger	Transit	267 45				267 45										
J. S. Casement & Co.	Estimate	3121 50													3121 50	
Cleve. Ship Bldg. Co.	Iron borings	2 65							2 65							
Cleve. Twist Drill Co.	Tap drills	72 50										72 50				
C. R. Day & Co.	Washing towels.	1 50				1 50										
Farnan's Brass Works	Corp cocks	29 68										29 68				

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

FEBRUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
H. S. Gabriel	Blacksmithing	15 70	1 00	7 90		5 10							1 70			
Globe Iron Works	"	97 31						97 31								
Hugh Harrison	Brick	16 00											16 00			
E. H. Jones & Co.	Meter boxes	306 13											306 13			
C. Kyle	Glass	2 40				2 40										
Lake Shore Foundry.	Pipe	136 19	136 19													
Mary McCauley	Towels washed	10 29				10 29										
W. A. Madison, Sec'y	Numb'g m'chine	52 92				44 46		8 46								
Nevins Ptg. House	Printing	6 00				6 00										
P. O'Brien	Salt	1 00		1 00												
A. T. Osborne & Co.	Paint	1 80											1 80			
Peoples' Gas Co.	Gas	78 90					78 90									
H. S. Fassett & Co.	Paint	28 60		28 60												
Plain Dealer Pub. Co.	Advertising	21 00	21 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

FEBRUARY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
C. F. Riblet	Livery	21 00				6 00						15 00				
J. B. Savage	Printing	113 00			113 00											
F. E. Sealand	Cartage	10 50	10 50													
"	"	20 00				20 00										
Short & Forman	Drawing paper	12 00				12 00										
Strong, Cobb & Co.	Paint	90								90						
Wm. Taylor, Son & Co.	Sheeting	1 44				1 44										
Union Oil Co.	Coal Oil	6 43				6 43										
A. T. Vantassel & Co.	Hardware	11 05					11 05									
West Newton Mines	Coal	3238 29					3154 88		83 41							
Worswick Mfg. Co.	Plumbers fitt'gs.	3 21											3 21			
McReynolds & Gawne	Estimate Fairmount Res.	500 00														500 00

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MARCH.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station Expense.	Old River Street Pump'g Station Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Gen. exp'se, etc.	2859 99			795 00	1742 99						320 00				
"	Pump'g house, etc.	2642 15					2020 32		225 00	75 00	52 00				269 83	
"	Labor	2035 84	1152 50	385 56			2 25			59 44	11 56	94 50	332 28			
R. W. Abram	Tallow	2 25														
A. Adams	Horse Shoeing	6 00		6 00												
Borden, Selleck & Co.	Repairing scale.	17 45	17 45													
Bell, Cartright & Co.	Scantling	20 40	12 59										7 81			
W. Bingham Co.	Hardware	37 01				1 58		17 33	17 10			1 00				
Brooks & Co.	Blank books	6 10				6 10										
Brooks Building Co.	Lumber	7 62		7 62												
C. Burnside	Tan bark	9 50				9 50										
C. H. Burton	Machine work	6 16						6 16								
Walter M. Cape	Towing	2 00				2 00										
Cleve. Elevator Co.	Repairing meters	198 20											198 20			

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MARCH.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Cleve. Gas Co	Gas	69 70	15 00			54 70										
Cleve. Ship Bldg. Co.	Machine work	1 00							1 00							
Thos. Elwood	Use of horse and wagon	14 00				14 00										
Farnan's Brass Works	Ferrules, etc	1095 05										1095 05				
J. W. Grover & Son	Oil	6 10				6 10										
Gibson & Price	Pig lead	236 69	236 69													
Globe Iron Works	Machine works	326 05						297 51	28 54							
Hugh Harrison	Brick	68 00											68 00			
Herold Bros	Window brush	1 25				1 25										
Herron Bros	Manure	87 50								87 50						
Lake Shore Foundry	Pipe, etc	6714 92	6714 92													
W. McReynolds & Co.	Mason work	683 33														683 33
McReynolds & Gawne	Estimate in full	2154 05														2154 05
W. A. Madison, Sec'y	Incidental exp.	15 62				9 72		5 90								

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MARCH.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
T. Manning, Jr., & Co.	Blacksmithing	4 12	4 12													
H. Mueller Mfg. Co.		2 55										2 55				
A. T. Osborne & Co.	Paints and oil	13 20				13 20										
People's Gas Co.	Gas	76 20					76 20									
Rhodes-Beidler Coal Co.	Coal	27 85	19 85			8 00										
Ship Owners Dry Dock Co.	Oak	3 36					3 36									
W. P. Southworth	Candles	1 37													1 37	
Strong, Cobb & Co.	Soap	6 65				6 40			25							
Union Oil Co.	Oil	42 27					42 27									
Upson, Walton & Co.	Manilla rope	1 41	1 41													
A. T. Van Tassel & Co	Hardware, etc.	3 55					3 55									
R. D. Wood & Co.	Valves	9 00		9 00												
Worswick Mfg. Co.	Unions, etc.	1 85											1 85			
West Newton Mines	Coal	2121 84					2067 58		54 26							

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MARCH.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
HenryR.Worthington	Castings	174 65						174 65								
J. S. Casement & Co.	Estimate	4235 55													4235 55	
W. H. Gabriel	Blacksmithing	19 70	16 95	2 75												
Lord, Bowler & Co.	Valves	283 98	283 98													
C. F. Riblet	Livery	87 00		16 50		16 00						51 50			3 00	
Plain Dealer Pub. Co.	Advertising	21 00	21 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

APRIL.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Pipe Ext., etc.	5404 69	4573 82	331 01						87 37	54 46		358 03			
"	Pump'g house, etc.	2616 79					1994 96		225 00	75 00	52 00				269 83	
"	Gen'l expense	2857 99			795 00	1742 99						320 00				
American Seed Oil Co.	Cylinder oil	25 00					25 00									
W. M. Bayne	Blanks	6 25				6 25										
W. E. Beck	Repairing lamp.	1 90		1 90												
W. Bingham Co.	Packing, etc.	22 92	1 00			60	12 88						8 44			
Geo. F. Blake Mfg. Co.	Final estimate	15800 00												15800 00		
F. & H. Born	Oil can	40	40													
Bowman Bros.	Lamp chimneys.	1 30				1 30										
Brooks & Co.	Blank books	12 50				12 50										
Brooks Building Co.	Meter boxes	18 55				7 55							11 00			
H. C. Burt & Son	Grass seed	8 00									8 00					
J. S. Casement & Co.	Estimate	4544 00													4544 10	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

APRIL.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Cleve. Gas Light Co...	Gas	24 80				24 80										
Clements Bros	Cement	8 50											8 50			
Cleve. Telephone Co..	Telephone rent..	68 00				68 00										
Dewstoe & Schneider.	Plumbing	136 64					136 64									
William Dorsey	Scales	3 00					3 00									
E. Cleveland R.R. Co.	Car tickets	50 00				50 00										
Enterprise Oil Co	Cylinder oil	212 55					212 55									
Farnan's BrassWorks	Stop cocks, etc....	1374 27										1374 27				
John Gallagher	Canvas bags	3 00				3 00										
Gibson & Price	Pig lead	674 83	674 83													
Globe Iron Works	Blacksmithing...	25 57		1 08			20 57					3 92				
H. M. Hempy & Son..	Cedar posts	12 55	11 55	1 05												
Herron Bros	Manure	56 00								56 00						

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

APRIL.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Dr. R. Heyhm	Medicine	12 00	12 00													
J. Hoffman Wagon Co.	Repair'g wagon	40 80		40 80												
T. Ingraham	Packing	84 10	84 10													
E. H. Jones & Co.	Meter plungers	156 05											156 05			
"	" counters	143 39											143 39			
Lord, Bowler & Co.	Valves	890 85	890 85													
Lake Shore Foundry.	Pipe	13295 49	13295 49													
W. A. Madison	Postage, etc.	85 96	31 55			54 41										
Nat'l Refining Co.	Valve oil	33 48					33 48									
N. Y., L. E. & W. Ry.	Damage to tracks	40 96	40 96													
P. O'Brien	Oil	3 30		3 30												
People's Gas Co.	Gas	64 20					64 20									
Plain Dealer Pub. Co.	Advertising	9 00				9 00										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

APRIL.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
C. F. Riblet	Horse hire	126 00		39 00		13 50						73 50				
Rouse & Hills Co	Solder	8 16											8 16			
J. B. Savage	Order book	10 00				10 00										
F. E. Sealand	Teaming	17 25	10 50				6 75									
W. P. Southworth	Soapine	3 55	80			2 75										
Upson, Walton & Co.	Paints and oils	24 09	35			23 74										
West Newton Mines	Coal	1798 66					1798 66									
R. D. Wood & Co	Hydrants	1680 00	16 80													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MAY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	General and pump house	5758 01			795 00	1767 99	2204 69		230 00	75 00	52 00	345 00			288 33	
"	Pipe ext., etc.	6824 82	5777 14	344 39		38 75				41 25	39 93	190 75	392 61			
R. W. Abram	Tallow	5 40					5 40									
Anzeiger Pub. Co.	Advertising	6 00				6 00										
W. M. Bayne	Printing	2 25				2 25										
Bell, Cartright & Co.	Lumber	29 10		29 10												
W. Bingham Co.	Hardware	26 08	3 49			9 17	9 05		4 37							
John M. Blatt	Labor	20 76													20 76	
F. & H. Born	Glass globes, etc.	15 80	11 30	4 50												
W. P. Braund & Son	Blacksmithing	18 00	18 00													
Brooks & Co.	Blank books	4 35				4 35										
Brooks Building Co.	Meter boxes	16 30		10 80									5 50			
Chas. H. Burton	Blacksmithing	19 08						19 08								
J. S. Casement	Tunnel estimate	5729 85													5729 85	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MAY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Chafer & Becker	Plumbing goods	14 10		14 10												
Cleveland Fire Dept	Use of fire engine	60 56		35 56		25 00										
City of Cleveland	Paving	279 50	279 50													
Clements Bros	Cement	17 00											17 00			
Cleveland Gas Co	Fire clay	40 60	18 00			22 60										
Cleve. Ship Bldg. Co.	Machine work	6 09							6 09							
Cleve. Twist Drill Co.	Drills	26 75										26 75				
DeKlyn's	Lunches	25 00				25 00										
Jos. Denne	Carpenter work	51 29					51 29									
A. A. Dettrich	Remov'g night soil	12 38							12 38							
Thos. Elwood	Livery	6 00		6 00												
Enterprise Oil Co	Cylinder oil	80 63					80 63									
Farnan's Brass Works	Ferrules, etc	2033 43										2033 43				
W. H. Gabriel	Blacksmithing	95 50	92 05	3 45												

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MAY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Peter Gerlach & Co.	Mower knives	1 50					1 50									
Gibson & Price	Pig lead	1025 18	1025 18													
Globe Iron Works	Forging	3 67					3 67									
Hugh Harrison	Brick	30 00											30 00			
H. M. Hempy & Son	Plugs	23 20	23 20													
Hersey Meter Co.	2 4-in. meters	482 00											4 82			
T. Ingraham	Waste	46 34					46 34									
E. H. Jones & Co.	Meters	363 25											363 25			
Kennedy, DeForest, P. & Co.	Repair'g hydr'nt	3 23		3 23												
H. F. Kingsley Mfg. Co.	Toilet paper	2 75				2 75										
Lake Shore Foundry.	Pipe	20978 25	20978 25													
Lord, Bowler & Co.	Valves	1105 67	1105 97													
Ludlow Valve Mfg. Co.	1 36-in. valve	625 00	625 00													
W. A. Madison, Sec'y.	Freight, etc.	105 26	73 01			30 18							2 07			

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MAY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
T. Manning, Jr., & Co.	Blacksmithing	10 65		10 55												
McIntosh Huntington & Co.	Packing	21 82	1 09	32			20 50									
Mary McCauley	Washing towels	5 63				5 63										
Macon & Co.	Boiler covering	278 40												278 40		
Ohio Rubber Co.	Washers	2 63										2 63				
A. T. Osborne & Co.	Lead and oil	5 80		5 50												
People's Gas Co.	Gas	63 00					63 00									
The Press	Advertising	7 50				7 50										
Rauch-Lang Carriage Co.	Washers	2 00		2 00												
C. F. Riblet	Horse hire	121 50		39 00		1 50						78 00			3 00	
Rouse & Hills Co.	Plumbers' fitt'gs	33 70											33 70			
J. G. Schmitt	Labor	5 76													5 76	
F. E. Sealand	Cartage	35 50	35 50													
Ship Owner Dry Dock Co.	Oak	2 10		2 10												

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

MAY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
W. P. Southworth	Soap	4 40							4 40							
Standard Oil Co.	Oil	66 83					66 83									
A. T. Van Tassel & Co.	Hardware	7 30					7 30									
The Waechter Am Erie	Advertising	4 00				4 00										
West Newton Mines	Coal	1962 21					1921 05		41 16							
R. D. Wood & Co.	Hydrants	2352 00	2352 00													
Wright & Berger	Boiler compound	6 00					6 00									

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JUNE.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighService Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Funnel Account.	Fairmount Reservoir Contract.
Pay Roll	Pump house, etc.	2959 21					2328 88		230 00	75 00	52 00				273 33	
"	Gen. exp., etc.	2907 99			870 00	1692 99						354 00				
"	Pipe ext., etc.	6904 33	6036 53	335 61		3 40				41 25	38 45	91 00	358 09			
W. M. Bayne	Printing	15 00				150 00										
Bell, Cartright & Co.	Lumber	82 08	47 10			23 22							11 76			
W. Bingham Co.	Hardware	6 67		27		1 50		3 00					1 81			
F. & H. Born	Pump valve	1 70		1 70												
Brooks & Co.	Index book	2 25				2 25										
Brooks Building Co.	Oak wedges	25 25	25 25													
C. H. Burton	Machine works	9 88						9 88								
J. S. Casement & Co.	Estimate	5194 35													5194 35	
City of Cleveland	Paving	211 55	211 55													
Clements Bros.	Cement	5 60						5 60								
Cleve. Elevator Co.	Repairing meter	173 65											173 65			

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JUNE.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Cleve. Gas Co.	Gas	22 90				22 90										
Cleve. Ship Bldg. Co.	Machine work	361 70						361 70								
B. Crabbe	Veterinary serv.	15 00		15 00												
East Cleve. R. R.	Car tickets	50 00				50 00										
Thos. Elwood	Livery	54 00				54 00										
Enterprise Oil Co.	Cylinder oil	198 38					198 38									
Farman's Brass Works	Ferrules, etc.	1411 97		7 20				3 80				1400 97				
W. H. Gabriel	Blacksmithing	46 60	42 60	4 00												
Gibson & Price	Pig lead	1012 47	1012 47													
Globe Iron Works	Machine work	55 88					55 88									
Hugh Harrison	Hard brick	11 00					11 00									
H. M. Hempy & Son	Plugs	7 20	7 20													
J. S. Casement & Co.	Tunnel work	3908 27													3908 27	
Herron Bros.	Manure	70 00								70 00						

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JUNE.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engine Account.	Tunnel Account.	Fairmount Reservoir Contract.
T. Ingraham	Packing	100 52	100 52													
E. H. Jones & Co.	Water meter	169 56											169 56			
Lake Shore Foundry	Pipe	14152 85	14152 85													
Leader Printing Co.	Advertising	29 03						29 03								
Lord, Bowler & Co.	Valves	679 60	697 60													
McIntosh, Huntington & Co.	Plumbers' fitt'gs	68 26	5 75	35 10			20 80						6 61			
W. A. Madison, Sec'y	Freight, etc.	101 38	45 70			55 68										
T. Manning, Jr., & Co.	Piecing hydrant	6 55		6 55												
Meriam & Morgan	Coal oil	4 55					4 45									
John W. Nixon	Plumbing	41 92	41 92													
P. O'Brien	Oil	1 65		1 65												
A. T. Osborne & Co.	Paints and oils	7 31		1 81							5 50					
People's Gas Co.	Gas	53 90					53 90									
G. M. Pettee	Livery	120 00		39 00		9 00						72 00				

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JUNE.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station Expense.	Old River Street Pump'g Station Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Rhodes-Beidler Coal Co.	Coal	16 75	16 75													
J. R. Savage	Printing	47 00				47 00										
F. E. Scaland	Cartage	20 25	20 25													
Sherbarne & Noonan	Livery	3 00				3 00										
Smith & Teachout	Blacksmithing	189 05					189 05									
Strong, Cobb & Co.	Lard oil	2 55		2 55												
A. Teachout & Co.	Blinds	23 17									23 17					
Upson, Walton & Co.	Capstan bars	6 73	6 73													
A. T. Van Tassel & Co.	Hardware	7 47					7 47									
West Newton Mines	Coal	1530 82					1487 37		43 45							
John Whitelaw	Part exp. to N.Y.	59 55				59 55										
R. D. Wood & Co.	Hydrants	672 00	672 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JULY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Labor, etc.	5907 47			805 00	1766 99		2352 81	230 00	75 00	52 00	345 00			280 67	
"	"	8670 87	7765 42	717 86						42 90	40 92	103 77				
Austin Powder Co.	Powder	60	60													
Bell, Cartright & Co.	Scantling	31 03	31 03													
W. Bingham Co.	Covering, etc.	96 55	17 02				63 24		16 29							
F. & H. Born	Sundries	6 35		6 35												
W. P. Braund & Son	Blacksmithing	31 45	31 45													
Brooks & Co.	Pens	1 25				1 25										
J. S. Casement & Co.	Estimate	3075 35													3075 35	
Charity Hospital	Board, attend'ce	100 00	100 00													
City of Cleveland	Paving	50 69	50 69													
Clements Bros.	Cement	39 86					31 36						8 50			
Cleve. Fire Dept.	Care of t'phone	25 00				25 00										
Cleve. Ptg. & Pub. Co.	Annual reports	268 75				268 75										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JULY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Cleve. Elevator Co....	Repairing meter	83 20		83 20												
Cleve. Gas Light & Coke Co.....	Gas.....	16 20				16 20										
Cleve. Telephone Co..	Telephone serv'e	58 00				58 00										
Cleve. Twist Drill Co.	Tap drills.....	20 00										20 00				
Andrew Doll, Jr.....	Mason work.....	65 00												65 00		
Enterprise Oil Co.....	Cylinder oil.....	120 01					79 88		40 13							
Farnan's Brass Works	Blacksmithing....	1198 46					35					1198 11				
Forest City Stone Co.	Stone	18 56					18 56									
" Wire & Iron Works.....	Office railing.....	15 75				15 75										
W. H. Gabriel.....	Blacksmithing....	92 15	77 45	3 55								9 20	1 95			
Gibson & Price.....	Lead	976 04	976 04													
Globe Iron Works.....	Machine work....	6 67						6 67								
H. V. Hartz.....	Repair'g register	3 15						3 15								
H. M. Hempy & Son..	Plugs	20 00	20 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JULY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Herron Bros	Manure	49 00								49 60						
E. H. Jones & Co	Meters	205 56											205 56			
Lake Shore Foundry	Pipe	14716 25	14716 25													
Lord, Bowler & Co	Valves	1004 02	1004 02													
Ludlow Valve Co	36-inch valves	2025 00	2025 00													
McIntosh, Hunt'gton	Hardware	41 82	28 43			12 44				95						
Macbeth & Co	Man-hole rings etc	8 00	8 00													
W. A. Madison, Sec'y	Freight, etc	30 16	18 12			12 04										
T. Manning, Jr., & Co.	Blacksmithing	2 05		2 05												
Meriam & Morgan P. Co	Carbon oil	4 64		4 64												
Nevins Print'g House	Water receipts	49 95				49 95										
P. O'Brien	Oil	6 60				6 60										
Ohio Work'g Home for the Blind	Brooms	11 25				3 25	8 00									
A. T. Osborne & Co	Paints and oils	21 83				21 83										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

JULY.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
People's Gas Co.	Gas	72 20						72 20								
Geo. M. Pettee	Livery	127 50		39 00								81 00	6 00		1 50	
W. P. Southworth	Mops	1 04				1 04										
J. J. Shepard	Fire-brick	24 75					24 75									
Upson, Walton & Co.	Rope, etc.	1 52										1 52				
West Newton Mines	Coal	1867 23					1783 74		83 49							
R. D. Wood & Co.	Hydrants	1008 00	1008 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

AUGUST.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Labor, etc.	2964 76					2321 75		230 00	75 00	52 00				286 01	
"	"	8861 97	7728 10	938 65		18 05				42 57	40 10	94 50				
"	"	2872 99			805 00	1722 99						345 00				
W. H. Bayne Ptg. House	Receipts	3 50				3 50										
Bell, Cartright & Co.	Lumber	60 76	60 76													
Borden, Selleck & Co.	Repairing scale	1 35	1 35													
F. & H. Born	Lantern globes	13 24	84	12 40												
W. P. Braund & Son.	Blacksmithing	26 30	26 30													
Brooks & Co.	Stationery	8 75				8 75										
Brooks Building Co.	Filing saws	50		50												
T. A. Burke	Medical services	11 00	11 00													
J. S. Casement & Co.	Tunnel estimate	3832 65													3832 65	
" "	Extra tun'l wrk.	4043 57													4043 57	
Cleve. Gas Co.	Gas	16 70				16 70										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

AUGUST.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station. Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station. Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Cleve. Ship Bldg. Co..	Gland (boring)....	1 00							1 00							
Cleve. Telephone Co..	Telephone serv's	5 00				5 00										
City of Cleveland.....	Paving.....	32 44	32 44													
Clements Bros.....	Cement.....	8 50											8 50			
Cleve. Elevator Co...	Repairing meter	145 40											145 40			
Cleve. Paper Co.....	Envelopes.....	3 50				3 50										
Thos. Elwood.....	Livery.....	124 00				124 00										
Gibson & Price.....	Pig lead.....	1276 09	1276 09													
Globe Iron Works.....	Blacksmithing....	9 21						9 21								
Hugh Harrison.....	Brick.....	42 00											42 00			
H. M. Hempy & Son..	Plugs.....	13 80	13 80													
E. H. Jones.....	Meter counters..	160 86											160 86			
Leader Printing Co...	Advertising.....	29 06				29 06										
Wo dland Ave.Savings Association..	Pipe in Paddock ct.....	662 58	662 58													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

AUGUST.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Lord, Bowler & Co...	Valves.....	788 25	788 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayer & Co.....	Bill case.....	200 00	.....	.....	.....	200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mary McCauley	Washing towels..	6 54	.....	.....	.....	6 54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macbeth & Co.....	Man-hole rim and cover.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 00	.....	.....	.....
W. A. Madison, S.c'y	Freight, etc.....	51 93	35 83	.....	.....	16 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meriam, Morgan & Co	Lard oil.....	28 56	.....	.....	.....	.....	28 56	.....	.....	.....	.....	.....	.....	.....	.....	.....
McIntosh, Hunt'gton	Hardware.....	20 66	8 40	.....	.....	.....	12 26	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. H. Monks.....	Wages.....	58 75	.....	.....	.....	58 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
James Moriarty.....	Lounge.....	40 00	.....	.....	.....	40 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
John W. Nixon.....	Plumbing.....	96 85	96 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jay Odell & Son.....	Land abstract.....	6 00	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. O'Brien.....	Oil.....	3 30	.....	3 30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
People's Gas Co.....	Gas.....	72 50	.....	.....	.....	.....	72 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
G. M. Pettee.....	Livery.....	100 00	.....	15 00	.....	.....	.....	.....	.....	.....	.....	78 00	4 00	.....	3 00	.....

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

AUGUST.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Rhodes & Beidler Co..	Coal	43 90		43 90												
Rouse, Hills & Co.....	Plumbers' fitt'gs	26 90											26 90			
J. B. Savage.....	Blanks	10 50				10 50										
F. E. Sealand.....	Cartage	16 50	16 50													
Sherburne & Noonan	Coach, use of.....	6 00													6 00	
Standard Tool Co.....	Drills	9 00										9 00				
" Oil Co.....	Cylinder oil.....	60 66					60 66									
Strong, Cobb & Co.....	Soda, etc	15 94					16 94									
W. P. Southworth.....	Hoop pails	1 50	1 50													
Upson, Walton & Co..	Ropes, etc	20 26	8 91	11 35												
A.T.Van Tassel & Co.	Paints and oils....	18 18					18 18									
West Newton Mines..	Coal	1852 54					1852 54									
R. D. Wood & Co.....	Hydrants	1344 00	1344 00													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

SEPTEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Labor	2872 99			805 00	1722 99						345 00				
"	"	2981 09					2338 08		230 00	75 00	52 00				286 01	
"	"	7101 63	6087 51	444 56		33 50			37 95		14 85	87 50	395 76			
A. Adams	Horse shoeing	4 00		4 00												
Bell, Cartright & Co.	Scantling	43 20	43 20													
F. & H. Born	Sand pump	10 80		10 80												
C. H. Burton	Machine work	25 33						25 33								
J. S. Casement & Co.	Estimate	3128 85														3128 85
City of Cleveland	Paving	713 37	713 37													
Farnan's Brass Works	Stop boxes, etc.	1572 15										1572 15				
Clements Bros.	Sewer pipe	1 65		1 65												
Cleve. Gas Co.	Gas	18 30				18 30										
Cleve. St'm Gauge Co.	Repair'g gauge	4 50					4 50									
Cleve. Ship Bldg. Co.	Blacksmithing	24 98					24 98									

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

SEPTEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
J. H. Fleharty	Font of type	4 35				4 35										
Jno. Flinn	Repairs	2 25		2 25												
East Cleve. Railway	Car tickets	50 00				50 00										
Thos. Elwood	Livery	18 00				18 00										
Enterprise Oil Co	Cylinder oil	399 13					399 13									
W. H. Gabriel	Blacksmithing	110 26	71 60	10 20								27 06	1 40			
Gibson & Price	Pig lead	1134 68	1134 68													
Globe Iron Wks. Co.	Blacksmithing	5 65					5 65									
Henry V. Hartz	Pattern making	3 09				3 09										
H. M. Hempy & Son.	Plugs	9 60	9 60													
T. Ingraham	Machine waste	48 38					48 38									
Lake Shore Foundry.	Pipe	6391 92	6391 92													
" "	"	10429 56	10429 56													
Levy & Stearn	Flag and pole	13 25				13 25										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

SEPTEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Lord, Bowler & Co....	Valves.....	642 89	642 89	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McIntosh, H. & Co...	Hardware.....	15 98	25	3 38	.....	.....	6 50	.....	.....	5 85	.....	.....	.....	.....	.....	.....
W. A. Madison, Sec'y	Incidental exp...	50 71	41 21	.....	.....	9 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thos. Manning, Jr....	Blacksmithing....	2 05	.....	2 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meriam, Morgan P. Co.	Coal oil.....	4 59	.....	.....	.....	.....	4 59	.....	.....	.....	.....	.....	.....	.....	.....	.....
H. Mueller Mfg. Co...	Stuffing nuts.....	10 20	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 20	.....	.....	.....	.....
Nevins Ptg. House...	Printing.....	12 00	.....	.....	.....	12 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jno. W. Nixon.....	Plumbing.....	11 37	11 37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. O'Brien.....	Oil.....	3 30	1 65	1 65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio Rubber Co.....	Hose.....	100 00	100 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
A. T. Osborne & Co...	Oil.....	3 28	.....	.....	.....	3 28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
People's Gas Co.....	Gas.....	72 80	.....	.....	.....	.....	72 80	.....	.....	.....	.....	.....	.....	.....	.....	.....
G. M. Pettee.....	Livery.....	82 50	.....	1 50	.....	9 00	.....	.....	.....	.....	.....	72 00	.....	.....	.....	.....
Rhodes & Beidler Co.	Coal.....	2606 04	10 00	.....	.....	.....	2500 39	.....	86 65	.....	.....	.....	.....	.....	.....	.....

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

SEPTEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Rourke Mfg. Co.	Polish	3 00					3 00									
J. B. Savage	Order books.	12 50				12 50										
F. E. Sealand	Cartage	54 25	54 25													
Smith & Teachout	Boiler repairs	1842 73						1842 73								
W. P. Southworth	Soapine	1 20				1 20										
Standard Tool Co.	Taps	27 00										27 00				
Jno. Thompson	Engine fittings	54 59						54 59								
Upson, Walton & Co.	Rope	6 08	3 08										3 00			
A.T. Van Tassel & Co.	Sundries	1 25					1 25									
R. D. Wood & Co.	Hydrants	1344 00	1344 00													
J. S. Casement & Co.	Tunnel work	3799 09													3799 09	
" "	"	10749 79													10749 79	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

OCTOBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Funnel Account.	Fairmount Reservoir Contract.
Pay Roll	Pipe extension	7995 66	7030 62	366 26		7 00				44 05		115 14	432 59			
"	Pump. h'se, etc.	2900 78					2270 45		230 00	75 00	52 00				273 33	
"	General expense	2872 99			805 00	1722 99						345 00				
R. W. Abrams	Tallow	4 50					4 50									
A. E. Adams	Clerical services	50 00			50 00											
Bell, Cartright & Co.	Scantling	7 05	7 05													
W. Bingham Co.	Packing	70 42	18 22				52 20									
Mrs. Jno. J. Blatt	Pipe in Blatt ct.	273 36	273 36													
F. & H. Born	Ash pan, etc.	85		85												
W. P. Braund	Blacksmithing	26 74	26 74													
Brooks & Co.	Blank books	3 54				3 54										
J. S. Casement & Co.	Estimate	4498 05													4498 05	
W. L. Chaffie	Ink stands	25 00				25 00										
Chafer & Becker	Pipe fittings	98 01											98 01			

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

OCTOBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
City of Cleveland	Paving	395 82	395 82													
Clements Bros	Cement	8 50											8 50			
Cleve. Elevator Co	Repair'g meters.	130 20											130 20			
Cleve. Gas Fix. Co	Card holders	79 00				79 00										
Cleve. Telephone Co	Telephone rent	58 00				58 00										
Davidson & House	Saw dust	1 75		1 75												
Thos. Elwood	Livery	6 00				6 00										
Excelsior Copper Gasket Co	Gaskets	5 40					5 40									
Farnan's Brass Works	Corp'ation cocks	651 77	634 36	11 31			6 10									
J. H. Fleharty	Stamp ribbon	75				75										
W. H. Gabriel	Blacksmithing	37 95	37 95													
Gibson & Price	Pig lead	859 53	859 53													
Globe Iron Works	Forging	10 83					10 83									
H. M. Hempy & Son	Plugs	28 50	28 50													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

OCTOBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
E. H. Jones & Co.	Water meters	607 65											607 65			
Kennedy, DeForest & P. Co.	Hydrant repairs	2 70		2 70												
Likely, McDonald & R.	Money bag	8 00				8 00										
Lake Shore Foundry	Pipe	8765 63	8765 63													
Lord, Bowler & Co.	Valves	1133 64	1133 64													
J. A. McAdams	Sprinkling	100 00				100 00										
H. P. McIntosh	Pipe in Hazard	498 70	498 70													
McIntosh, Huntington & Co.	Hardware	30 25				17 80	12 45									
Macbeth & Co.	Man-hole rings	32 00											32 00			
W. A. Madison, Sec'y	Freight, etc.	119 22	32 02			87 20										
T. Manning, Jr., & Co.	Blacksmithing	8 75		8 75												
Meriam & Morgan	Oil	4 68					4 68									
Jno. W. Nixon	Plumbing	4 22	4 22													
P. O'Brien	Oil	7 00		7 00												

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

OCTOBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station Expense.	Old River Street Pump'g Station Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Ohio Rubber Co.	Rubber valves	38 25					38 25									
People's Gas Co.	Gas	84 70					84 70									
G. M. Pettee	Livery	85 50				6 00						79 50				
Rhodes, Beidler Coal Co.	Coal	1976 39	30 00			7 00	1939 39									
J. B. Savage	Assessment book	18 00				18 00										
J. J. Shepard	Fire clay	9 00					9 00									
Sherburne & Noonan	Livery	8 00				8 00										
Short & Forman	Letter plies	8 35				1 85			6 50							
L. P. & J. A. Smith	Use of Lighter	23 00		23 00												
W. P. Southworth	Candles	1 29				63			66							
Standard Oil Co.	Cylinder oil	90 90					90 90									
Strong, Cobb & Co.	Soap	5 50				5 50										
H.H. Thorpe Mfg. Co.	Type	6 52				6 52										
E. W. Tyler	Pump	2 30		2 30												

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

OCTOBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Union Oil Co	Oil	62 70					62 70									
Upson, Walton & Co.	Oil	9 00	3 00	6 00												
A.T.Van Tassel & Co.	Hardware	7 05					7 05									
Ward & Jackson	Bolts	88		88												
R. D. Wood & Co	Hydrants	1008 00	1008 00													
Henry R. Worth'gton	Valve springs	12 24					12 24									
J. S. Casement & Co.	Tunnel work	6487 22													6487 22	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

NOVEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Pipe Ex.	5755 59	4998 76	277 54		9 85						78 75	390 69			
"	"	112 13	112 13													
"	"	549 63	549 63													
"	General	2891 32			880 00	1821 32						190 00				
"	Engine house	2872 59					2242 26		230 00	75 00	52 00				273 33	
R. W. Abram	Tallow	4 50					4 50									
Anzeiger Pub. Co.	Advertising	6 00				6 00										
Bell, Cartright & Co.	Scantling	39 31	39 31													
W. Bingham & Co.	Hardware	14 73				67	14 06									
F. & H. Born	Globes	7 00	7 00													
W. P. Braund	Blacksmithing	12 44	12 44													
J. S. Casement & Co.	Estimate	2998 80													2998 80	
Cleve. Gas Co.	Gas	60 50				60 50										
Cleve. Ship Bldg. Co.	Blacksmithing	43 89						43 89								

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

NOVEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Clements Bros.	Cement	25 50											25 50			
Cleveland Press	Advertising	7 50				7 50										
Conger & Collings Mantle Co.	Repair'g mantle	6 00		6 00												
East Cleve. R. R.	Car tickets	50 00				50 00										
Thos. Elwood	Livery	4 00				4 00										
Farnan's Brass Works	Stop cock boxes.	974 87										974 87				
Forest City Chem. Co.	Paint	7 50					7 50									
" Ice Co.	Ice	16 25				16 25										
W. H. Gabriel	Blacksmithing	56 60	40 95	2 65								13 00				
Gibson & Price	Pig lead	642 67	642 67													
Globe Iron Works	Blacksmithing	4 35					4 35									
H. M. Hempy & Son.	Plugs	31 20	31 20													
T. Ingraham	Packing	100 10	100 10													

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

NOVEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
E. H. Jones & Co.	Meters	821 41											821 41			
B. Krause, M. D.	Medical services	19 00	19 00													
Kennedy, DeForest	Plumbing	2 81		2 81												
Lake Shore Foundry	Pipe	5009 84	5009 84													
H. J. Lee	Medical services	45 00	45 00													
Lord, Bowler & Co.	Valves	679 58	679 58													
Mary McCauley	Washing towels	6 54				6 54										
McIntosh, Hunt'gton	Hardware	24 19		1 26		3 25	1 98					14 20	3 50			
W. A. Madison, Sec'y	Freight, etc.	52 61	32 37			20 24										
T. Manning, Jr., & Co.	Blacksmithing	1 45		1 45												
Fred. Marquardt	Tapping	20 00										20 00				
Meriam & Morgan P. Co.	Oil	4 55					4 55									
W. V. Metcalf	Sub-marine div'g	50 00				50 00										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

NOVEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Funnel Account.	Fairmount Reservoir Contract.
W. J. Morgan & Co...	Envelopes.....	9 00	.....	.....	.....	9 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
National Meter Co....	Crown Meter.....	23 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23 50	.....	.....	.....
Jno. W. Nixon.....	Plumbing.....	43 61	43 61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. O'Brien.....	Oil.....	3 30	.....	.....	.....	3 30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
A. T. Osborne & Co...	Stationery	2 05	.....	.....	.....	2 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
People's Gas Co.....	Gas.....	87 30	.....	.....	.....	.....	87 30	.....	.....	.....	.....	.....	.....	.....	.....	.....
G. M. Pettee.....	Livery.....	75 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	75 00	.....	.....	.....	.....
Plain Dealer Pub. Co	Advertising.....	18 20	.....	.....	.....	18 20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rhodes, Beidler Coal Co.....	Coal	1729 19	10 00	.....	.....	7 00	1593 28	.....	118 91	.....	.....	.....	.....	.....	.....	.....
Rouse & Hill Co.....	Plumbing goods	2 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2 40	.....	.....	.....
F. E. Sealand.....	Cartage.....	39 50	34 00	.....	.....	5 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Smith & Teachout....	36-inch pipe.....	639 00	639 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
W. P. Southworth.....	Soap.....	5 65	.....	.....	.....	1 80	3 85	.....	.....	.....	.....	.....	.....	.....	.....	.....

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

NOVEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Standard Tool Co.	Repairing tap	1 70										1 70				
Standard Oil & Lub. Dept.	Cylinder oil	150 00					150 00									
Upson, Walton & Co.	Rope	8 24	8 24													
A.T. VanTassel & Co.	Mdse	10 57					10 57									
Waechter am Erie	Advertising	4 00				4 00										
R. D. Wood & Co.	Hydrants	672 00	672 00													
Henry R. Worth'gton	Lubr'ting glas's	4 80					4 80									
J. S. Casement & Co.	Air compressing	7324 38													7324 38	

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

DECEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	HighServiceReservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Pay Roll	Pipe ext., etc	1933 54	885 54	358 55		160 27						139 00	390 18			
"	General expense	2891 32			880 00	1821 32						190 00				
"	Engine houses	2795 28					2203 95		230 00	75 00	52 00				234 33	
Bell, Cartright & Co.	Lumber	1 60				1 60										
W. Bingham Co	Pipe Tools	41 85					27 84						14 01			
F. & H. Born	Repairing pump	2 40		2 40												
Brooks Bldg. Co	Straight-edge	1 00													1 00	
Brooks & Co	Stationery	9 40				9 40										
C. H. Burton	Rep'g feed pump	28 88						28 88								
J. S. Casement & Co.	Estimate	3702 70													3702 70	
"	Air process	2965 85													2965 85	
City of Cleveland	Paving	356 80	356 80													
Cleve. Gas Co	Gas	35 60				35 60										
Cleve. Ship Bldg. Co.	Blacksmithing	18 12				2 45		15 67								

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

DECEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station Expense.	Old River Street Pump'g Station Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
John Douglass	Boiler covering	32 00					32 00									
Farnan's Brass Works	Corp'ation cocks	425 20										425 20				
Thos. Elwood	Livery	14 00				14 00										
W. H. Gabriel	Blacksmithing	10 35		10 35												
Gibson & Price	Pig lead	41 48	41 48													
Globe Iron Works	Blacksmithing	16 88						16 88								
Hugh Harrison	Brick	21 46											21 46			
Fred. Heinrich	Labor	55 00										55 00				
Dr. R. Heym	Medical services	25 75	25 75													
E. H. Jones & Co.	Meters	420 79											420 79			
Kelly Island Lime Co.	Lime	1 40					1 40									
Lord, Bowler & Co.	Valves	175 79	175 79													
McIntosh, H. & Co.	"	40 80	33 82				6 98									
W. A. Madison, Sec'y	Postage	9 95				9 95										

ABSTRACT OF EXPENDITURES OF CLEVELAND WATER WORKS FOR THE YEAR 1889—*Continued.*

DECEMBER.

Whose Favor.	For What Purchased.	Total.	Pipe Extension.	General Repairs.	Expense, Secretary's Dept.	Expense, General.	Old River Street Pump'g Station, Expense.	Old River Street Pump'g Station, Repairs.	Fairmount Pumping Station, Expense.	Fairmount Reservoir, Expense.	High Service Reservoir, Expense.	Ferrule and Tapping Account.	Water Meter Account.	New Engines Account.	Tunnel Account.	Fairmount Reservoir Contract.
Jno. W. Nixon	Plumbing	11 24	11 24													
C. H. North	Repair'g magnet	5 50		5 50												
People's Gas Co.	Gas	84 40					84 40									
G. M. Pettee	Livery	61 50				6 00						55 50				
Rhodes, Beidler Coal Co.	Coal	1575 68					1533 13		42 55							
Rouse & Hill Co.	Plumber fittings	10 53											10 53			
F. E. Sealand	Cartage	7 00					7 00									
Sherburne & Noonan	Team and coach	3 00				3 00										
Short & Forman	Blank book	2 00				2 00										
Standard Oil Co.	Cylinder oil	151 50					151 50									
Strong, Cobb & Co.	Sponges	4 70				4 70										
Upson, Walton & Co.	Oar	79		79												
A. T. VanTassel & Co.	Wicking	1 20							1 20							
		$434715 75	189216 38	6076 27	10128 65	25000 32	49677 89	5595 72	3483 57	1616 53	990 94	16549 30	8866 17	16902 94	27457 49	3337 38

RECAPITULATION OF EXPENDITURES FOR THE YEAR 1889.

Pipe Extension		$ 189,216 38
General Repairs		6,076 27
General Expense		35,135 17
Old River St. Pump House	$ 49,577 89	
Old River St. Pump House	5,595 72	
		55,173 61
Fairmount Pump House	$ 3,483 57	
Fairmount Reservoir	1,616 53	
High Service	900 94	
		6,001 04
Ferrules		16,549 30
Water Meter		8,866 17
Knowles Engines		16,902 94
Tunnel		97,457 49
Fairmount Reservoir		3,337 38
Total		$ 434,715 75

INVENTORY OF PROPERTY OF ALL KINDS IN POSSESSION OF WATER WORKS DEPARTMENT, DECEMBER 31, 1889.

BOOKS, STATIONERY, ETC.

Annual Reports	250	For the year	1888.
"	225	"	1887.
"	240	"	1886.
"	29	"	1885.
"	98	"	1884.
"	158	"	1883.
"	183	"	1882.
"	82	"	1881.
"	124	"	1880.
"	163	"	1879.
"	136	"	1878.
"	108	"	1877.
"	124	"	1876.
"	68	"	1875.
"	13	"	1872.
"	41	"	1871.
"	26	"	1870.
"	22	"	1869.
"	3	"	1867.
"	3	"	1866.
"	3	"	1865.
"	1	"	1859.
"	62	"	1858.
"	27	"	1857.
"	4	"	1856.
"	51	"	1855.

BOOKS.

Abstract	1	of daily cash receipts.
"	1	of expenditures.
"	1	of water rents (meters).

Assessment	2	
Assessor's reports	4	
Auditor's warrant	1	
Additional water rent	1	
Building purposes	1	
Bill book	1	of miscellaneous work.
Cash	1	
Coal	2	
Check	1	
Connection order book	1	
Cost of pipe laying	8	Detail.
"	1	Summary.
Day book	1	
Delivery and receipt books	13	
Daily reports	1	of height of water in reservoir.
Express books	13	
Engine duties	1	
Engine records	1	Cornish.
"	1	Henderson.
"	1	Worthington No. 1.
"	1	" 2.
"	1	" 3.
"	1	Knowles No. 1.
"	1	" 2.
"	1	Office summary.
Elevator book	1	
Fire hydrant records	2	
General order and complaint	1	
Indexes	1	to map books.
"	1	to water meters.
"	1	Blank (large).
Invoice books	1	
Inspector's reports	1	of connections extended.
"	1	Repairs.
Journals	2	
Ledger	1	
Meter test books	1	
" complaint and repair	1	
" district books	11	
" setting order book	1	

Meter records	1	of readings.
Miscellaneous pipe and eng. records	2	
Memorandum books	6	Assessor's.
Order books	2	
Outsiders	1	
Off connection books	1	
Permit books	3	1 to 15,000, 15,000 to 30,000, [30,000 to 45,000.
Permit books	17	Old.
Pipe records	2	
" order books	1	
Rebate receipt book	1	of water rents.
Register books	1	
Receipt books	1	of articles loaned.
Requisition books	28	
Records	1	of meters received and dis- [posed.
"	1	" set.
"	1	of service and hydrant leaks.
Receipt and expenditure books	1	
Service pipe records	6	
Sprinkler accounts and permits	1	
Store-keeper's record	1	of articles received.
"	1	" given out.
Time rolls	1	
"Turn On" books	1	
Tunnel estimate books	1	
Valve records	2	
Voucher register	1	
"	1	of accounts receivable.
Water rent accounts	2	or lease books.
Blank books	11	Common.
"	4	Pocket.
Blank time books	5	Foreman's.
Bill slips	800	
Blotters	350	
Crayon	1¼	gross.
Clips	4	
Directory	2	City.
Envelopes	466	large white plain.
"	70	small "

Envelopes	1,347	Water Works.
"	100	large manilla.
"	336	small " stamped.
"	3,500	Pay roll.
"	14	Specification.
Erasers	6	Ink.
"	3	Artists' (large).
"	3	" (small).

FORMS, ETC.

April bill forms	30,000	
"	21,000	Meter.
Invoice or claims	2,000	small.
"	400	large.
Bill blanks	6,300	for building purposes (small).
"	3,500	" (large).
Notice blanks	10,200	
"	1,000	to petitioners.
Letter heads	2,000	large.
"	2,400	small.
Pay roll blanks	600	
Plumbers' permits	600	
" returns	600	
" application blanks	150	
" blank bonds	750	
Receipt and disbursement blanks	50	
Abstract of water rent blanks	150	Meter.
Petition blanks	200	
Abstract of expenditure blanks	75	
Rules for sprinklers	100	
Elevator notices	65	
"Turn off" cards	7,000	
Secretary's receipts	1,000	
Foreman's returns	925	
Inventory blanks	300	Individual.
"	12	Detail, summary.
Notices	36	Abstract of rules and regulations (large).
Voucher register blanks	150	
Ink	7¼	large bottles (writing).
"	3	small " red.

Ink	1	small bottle India ink.
" bottles	24	(Desk) assorted sizes.
" stands	11	complete.
" dishes	9	Draughtsman's.
Mucilage	1	bottle large.
"	1	" small.
Letter files	5	
Pencils	9⅔	dozen lead.
"	3	" draughtsman's.
"	⅔	" colored.
"	1¾	gross slate.
Pens	2½	" stub.
"	1-12	" crow quill.
"	2⅔	common.
Pen holders	6	
" racks	4	
Paper	18	sheets foolscap.
"	225	legal cap.
" fasteners	4 1-12	gross large.
" "	1-12	" small.
" weights	2	
" scrapers	1	
Pins	3	papers.
Pin dishes	2	
Rulers	1	gutta percha.
"	1	wooden.
Rules and regulations	5,000	complete.
"	10,000	abstract.
Rubber bands	1 6	gross large.
"	¾	" medium.
"	4	" small.
Schedule	1	of diameter and weights of [pipe and special castings
Spindles	10	
Sponge cups	7	complete.
Stylus	1	
Tags	500	
Thumb tacks	3½	dozen.

STOCK, MATERIAL, ETC.

CAST IRON PIPE, ETC.

Cast iron pipe, 36 inch	5	full lengths.	
" 30 "	13	"	
" 24 "	10	"	
" 20 "	7	"	
" 16 "	4	"	
" 12 "	4	"	
" 10 "	15	"	
" 8 "	23	"	
" 6 "	28	"	
" 4 "	16	"	
" 3 "	5	"	
36 inch socket pipe pieces	68	feet	8 inches.
30 "	104	"	6 "
24 "	120	"	3 "
20 "	31	"	
16 "	12	"	4 inches.
12 "	20	"	6 "
10 "	51	"	
8 "	286	"	
6 "	218	"	
4 "	520	"	
3 "	37	"	
36 inch plain pipe pieces	4	"	3 inches.
30 "	8	"	
24 "	3	"	
16 "	4	"	6 "
12 "	39	"	
10 "	90	"	
8 "	218	"	
6 "	539	"	
4 "	137	"	
3 "	60	"	
36 inch air-cock pipe	1		
30 " socket curves	2		
20 " "	1		
16 " "	1		
12 " ⅛ curves	4		

10 inch ⅛ curves	5
8 "	21
6 "	11
4 "	6
3 "	2
8 inch 1-16 curves	5
6 "	9
4 "	8
3 "	10
8 inch double reverse curves	2
6 "	3
4 inch reverse curves	1
3 "	2
10 inch elbows	3
8 "	1
6 "	3
4 "	1
20 inch crosses	1
16 to 12 "	1
12 "	1
12 to 6 "	1
10 "	1
10 to 8 "	1
8 "	4
8 to 6 "	4
6 "	6
6 to 4 "	1
4 "	14
16 inch tees	2
12 "	1
10 "	3
8 "	5
8 to 6 "	1
6 "	12
6 to 4 "	2
4 "	1
3 "	1
30 to 24 inch reducers	1
20 to 8 "	1
16 to 12 "	2

12 to 10 inch reducers	1
12 to 6 "	4
10 to 8 "	2
10 to 6 "	14
8 to 6 "	27
8 to 4 "	3
6 to 4 "	18
6 to 3 "	6
4 to 3 "	1
4 to 2 "	1
4 inch Y's	2
36 inch clamp socket sleeves	2
30 "	1
20 "	7
16 "	4
12 "	2
36 inch clamp sleeves	3
30 "	2
24 "	1
20 "	4
16 "	3
12 "	1
10 "	5
8 "	7
6 "	10
4 "	4
3 "	7
36 inch sleeves	7
30 "	9
24 "	5
20 "	7
16 "	5
12 "	8
10 "	1
8 "	13
6 "	12
4 "	6
3 "	2
36 inch cast iron caps	1
30 "	2

12 inch cast iron caps	1
10 "	1
36 inch cast iron plugs	1
8 inch sprinkler tees	1
6 "	1
3 "	1
10 inch double sockets	1
8 "	7
6 "	11
6 inch sprinkler caps	1
4 "	2

VALVE BOX FITTINGS—NEW STYLE.

Valve box covers	15
" top frames	19
" bottom frames	12
No. "O" narrow plates	31
" wide "	31
1¾ inch extra top frames	2
4 "	2
5 "	5
6 "	5
7 "	5

VALVE BOX FITTINGS—OLD STYLE.

Valve box covers	37
" top frames	16
" bottom frames	8
No. 1 narrow plates	19
" wide "	20
No. 2 narrow "	22
" wide "	20
No. 3 narrow "	35
" wide "	36
No. 4 narrow "	8
" wide "	13
Extra top frames	1
6 inch cylinder valve boxes	1
6 " head sockets	11
4 " "	22

6 inch cylinder covers	11	
4 "	4	
6 inch cylinder valve box center covers	13	
Flushing hole rings	1	
" covers	1	
Manhole rings	6	large.
" covers	6	"
Meter vault rings	7	
" covers	11	
Cylinder	1	for tunnel shaft.
Hitching post castings	1½	sets.
⅝ inch stop cock boxes	85	complete.
" bottom caps	9	
⅝ inch stop cock rods	3	
1 " and rods	4	
⅝ " "	23	
1 inch stop cock boxes	4	without caps, complete.
⅝ "	1	"
Caps (top)	3	Extra, for stop cock boxes.
Lettered "A" caps	4	
" "B" "	5	
" "C" "	4	
" "D" "	3	
" "E" "	2	
" "F" "	2	
" "G" "	2	
" "H" "	1	
" "J" "	2	
" boxes	1	complete.
1 inch ferrules	5	Brass.
¾ "	22	"
⅝ "	162	"
½ "	14	"
1 inch plugs	19	"
¾ "	7	"
⅝ "	17	"
Lettered "B" plates	8	"
" "C" "	12	"
" "D" "	3	"
" "E" "	6	"

Lettered "F" plates	5
" "G" "	5
" "H" "	5
" "I" "	8
" "J" "	3
1½ inch stop and waste cocks	2
2 inch stop cocks	1
1½ "	1
1 "	1
⅝ "	1
¼ inch pet cocks	3
Sprinkler permit plates	65
30 inch stop valves	2
20 "	2
16 "	1
6 "	1
3 "	29
2 "	1
1½ "	4
36 inch valve indicators and gearing	4
30 " "	4
16 " "	1
36 inch valve screws	1
30 "	2
10 "	1
8 "	1
6 "	3
4 "	1
3 "	2
8 inch valve screw nuts	1
10 " caps	1
8 "	1
6 "	3
3 "	5
4 inch valve stuffing boxes	4
3 " plates	2
2½ inch globe plates	1
2 "	19
1¼ "	1
1 "	1

½ inch globe valves		5	
⅝ "		1	
2 inch globe valve and hydrant coupling		1	
2 inch angle valves		4	
1½ "		2	
2 inch air-cocks		6	
6 inch Mathew's hydrants		5	complete.
6 "	domes	2	
6 "	frost cases	3	
4 "		25	
4 "	rod screws	11	
4 "	stuffing boxes	16	top.
4 "	"	23	inside.
"	" plates	16	"
4 "	domes	10	
2½ "	nozzles	15	
"	" caps	31	new style.
"	" "	10	old "
4 "	frost cases	2	
4 "	valves and plates	12	
4 "	valve plates	8	sets.
4 "	valve seats	13	
4 "	goosenecks	15	
"	" rings	1	
3 inch Manning hydrants		17	complete without frost cases.
3 "	rod handles	7	
3 "	stuffing boxes	8	top.
3 "	rod braces	19	with screws and handles.
3 "	screw staples	10	
3 "	valve plates	26	
3 "	goosenecks	10	
3 "	" rings	10	
3 "	steady washers	6	complete.
3 "	top cylinders	37	"
3 "	frost cases	36	
3 "	nozzle caps	12	
Sprinkler top frames		7	complete.
" "	covers	2	
"	couplings	15	Brass.
"	clamps	2	

Sprinkler boxes	4	Wooden.
36 inch pipe clamps	2	full sets.
16 "	2	"
12 "	25	"
10 "	31	"
8 "	101	"
6 "	61	"
4 "	5	"
8 inch pipe clamp bars	2	
4 "	1	
8 " hooks	18	
6 "	8	
10 inch pipe plugs (wood)	1	
8 "	14	
6 "	14	
4 "	4	
6 inch common wrought iron pipe	44	feet.
4 " "	18	"
2½ " "	18	" 6 inches.
2 " "	10	"
1¼ " "	6	"
1 " "	55	"
¾ " "	85	"
½ " "	53	"
⅜ " "	10	"
¼ " "	90	"
2 inch galvanized iron pipe	150	"
1½ "	59	"
4¼ "	15	"
1 "	176	"
¾ "	83	"
2 inch ⅛ bends	8	malleable.
1½ "	2	"
4 to 3 inch bushings	10	"
3 to 2 "	2	"
2 to ¾ "	11	"
1½ to 1¼ "	2	"
1½ to ¾ "	2	"
1¼ to 1 "	1	"
1¼ to ¾ "	2	"

1 to ¾ inch bushings	1	malleable.
¾ to ½ "	4	"
3 to 2½ inch reducing couplings	1	"
2½ to 2 "	1	"
2 to 1½ "	11	"
2 to 1 "	1	"
2 to ¾ "	1	"
1¼ to 1 "	3	"
1 to ¾ "	5	"
½ to ⅜ "	2	"
3 inch caps	2	"
2½ "	2	"
2 "	10	"
1½ "	12	"
1¼ "	15	"
1 "	7	"
¾ "	12	"
⅜ "	2	"
¼ "	75	"
1x¾ inch crosses	2	"
6 inch elbows	3	"
4 "	1	"
3 "	2	"
2½ "	1	"
2½ to 2 "	1	"
2½ to 1 "	1	"
2 "	20	"
1½ "	35	"
1¼ "	3	"
1¼ to ¾ "	1	"
1 "	51	"
1 to ¾ "	1	"
¾ "	37	"
½ "	3	"
⅜ "	2	"
¼ "	4	"
2 inch street ells	8	"
1½ "	4	"
1¼ "	8	"
1 "	11	"

¾ inch street ells	18	malleable.
4 inch nipples, all from 3 to 18 in. long	1	"
3 " "	17	"
2½ " "	1	"
2 " "	52	"
1½ " "	55	"
1¼ " "	101	"
1 " "	191	"
¾ " "	239	"
½ " "	2	"
⅜ " "	4	"
¼ " "	23	"
5 inch plugs	1	"
4 "	2	"
2½ "	1	"
2 "	2	"
1½ "	11	"
1¼ "	9	"
1 "	19	"
¾ "	13	"
½ "	2	"
⅜ "	2	"
¼ "	10	"
4 inch sockets	2	
3 "	6	
2½ "	5	
2 "	30	
1½ "	27	
1¼ "	24	
1 "	66	
¾ "	15	
½ "	1	
4 to 2 inch tees	1	malleable.
3 to 2 "	1	"
2 "	14	"
2 to 1 "	1	"
2 to ½ "	3	"
1½ "	22	"
1½ to 1 "	2	"
1½x1½ to ¾ "	1	"

1½x1x¾ inch tees	4	malleable.
1½ to ¾ "	1	"
1¼ "	20	"
1¼x1x¾ "	1	"
1¼ to 1 "	2	"
1¼ to ¾ "	3	"
1 "	34	"
1x1x¾ "	7	"
1x¾x¾ "	2	"
¾ "	33	"
1 to ½ "	1	"
2 inch unions	21	
1½ "	17	
1¼ "	24	
1 "	12	
¾ "	35	
⅝ "	1	
¼ "	4	
7 inch flanges	2	
3 "	1	
2 "	5	
2½ "	1	
1¼ "	1	
"	1	blank.

METERS AND FITTINGS.

1 inch Crown meters	2		
4 inch Worthington meters	1		
3 "	2		
2 "	3		
1½ "	1		
1 "	1		
¾ "	4		
4 inch counters and dials (screw)	2	100 feet—10,000,000.	
3 "	14	10	"
2 "	9	10	"
1½ "	10	10	"
1 "	1	10	"
1 "	9	1 foot—1,000,000.	
¾ "	4	1	"

3 inch counters and dials (pin)	3	
2 "	1	
1½ "	2	
1 "	7	
4 inch counter plates (Worth.)	1	
2 "	1	
1½ "	3	
½ inch counter screws	½	gross—brass round head.
¾ inch air screws	¾	"
Dials	14	10 feet—10,000,000.
"	9	1 foot—1,000,000.
"	12	1 " 100,000.
2 inch meter caps	6	old style Worthington.
4 to 1 "	10	"
¾ "	7	"
"	2	new style Worthington.
4 inch Worth. meter bumpers	12	
3 "	8	
2 "	20	
1½ "	20	
1 "	20	
¾ "	24	
4 inch ratchets and spindles	2	
3 "	2	
2 "	9	
1½ "	4	
1 "	25	
¾ "	16	
Extension spindles	33	complete.
4 inch meter flanges	5	
3 "	14	
4 inch meter flange bolts	35	
3 "	48	
1 inch Hersey meters	1	
¾ "	1	
¾ inch solder nipples	11	brass.
1 inch corporation stop cocks	5	
¾ "	26	
⅝ "	400	
½ "	83	

Columns, 12 in. x 21 ft. 6 in. long	4	cast iron.
" 12 in. x 15 ft. long	4	"
" 4 in. x 14 ft. long	4	"
Thimbles, 24 in. x 22 in	2	"
" 10 in. x 22 in	1	"

STOCK AND MATERIAL.

Acid	¾	pound.
Barrels	21	empty oil barrels.
Bath brick	4	bars.
2 inch boiler plugs	1	brass.
1¼ inch bolts	200	pounds.
1⅛ "	60	"
1 "	20	"
⅞ "	3	"
¾ "	65	"
⅝ "	5	"
1x1 inch dift bolts	400	"
1¼ inch stud bolts	24	"
1⅛ "	46	"
1½ "	6	brass.
1 "	6	"
"	3	pounds.
Brick	900	hard.
"	1,000	common.
Brimstone	100	pounds.
Canvas, duck	3	yards.
Cement	20	bags—Louisville.
Chamois skins	1½	
Coal	502	tons lump.
"	600	pounds lump.
"	79	tons slack.
" tar	1½	barrels.
Emery	½	pound—flour.
"	1½	" coarse.
" cloth	42	sheets.
Fence posts	363	
Fire brick	165	common.
"	35	arch.
Fire clay	2⅓	barrels.

Fuse	10	feet.
Gaskets for ext. spindles (bottom)	7	
" " (top)	5	
" for pressure machines	2	
" meter—rubber	18	
" 4 in. flanges	4	
" 3 "	8	
" bottom gasket, 4 in. meter—copper	2	
" boiler manhole—rubber	16	
Gas burners	48	
" tips	6	lava.
Gate hinges	3	pairs.
Gate well grooves	14	cast iron.
Grate bars	51	Aetna.
" side bars	3	"
Grease	21	pounds journal.
Hand hole plates	2	
" crabs	5	
" bolts (⅞ in.)	2	
Japan drier	¼	gallon.
Japanica	75	pounds.
¾ x 2 in. x 12 ft. lagging	2	pieces.
¾ x 4 in. x 12 ft. lagging	2	" beaded.
2 in. x 8 ft. lagging bands	12	
Lake sand	2	cubic yards.
Lead	8,461	pounds pig.
¼ inch sheet lead	30½	pounds.
⅛ "	17½	"
1 inch lead pipe	150	" extra strong.
Red lead	12	" dry.
White lead	2	"
Lime	½	barrel.
6 in. x 16 in. x 7 ft. oak lumber	1	piece.
6 in. x 12 in. x 16 ft. "	2	pieces.
5 in. x 10 in. x 16 ft. "	3	"
8 in. x 16 in. x 16 ft. "	1	piece.
12 in. x 12 in. x 18 ft. pine lumber	1	"
10 in. x 16 in. x 12 ft. "	9	pieces.
10 in. x 16 in. x 25 ft. "	1	piece.
8 in. x 16 in. x 16 ft. "	15	pieces.

4 in. x 16 in. x 25 ft. pine lumber	5	pieces.
4 in. x 16 in. x 20 ft. "	1	piece.
4 in. x 16 in. x 12 ft. "	1	"
10 in. x 10 in. x 16 ft. "	10	pieces.
9 in. x 12 in. x 20 ft. "	1	piece.
8 in. x 12 in. x 10 ft. "	2	pieces.
6 in. x 8 in. x 10 ft. "	1	piece.
4 in. x 12 in. x 14 ft. "	2	pieces.
4 in. x 4 in. x 14 ft. "	7	"
4 in. x 4 in. "	60	lin. feet.
3 in. x 12 in. "	30	"
2 in. x 6 in. "	34	"
2 in. x 12 in. "	632	"
2 in. x 4 in. "	3,990	"
2 in. x 8 in. "	165	" sheet piling.
1 in. x 6 in. "	960	" fencing.
1 in. x 12 in. "	28	"
1 in. x 4 in. black walnut	50	"
½ in. x 6 in. "	24	"
Moulding (pine)	100	pieces.
Mercury	1½	pounds.
Matches	2	boxes.
40d nails	9	pounds.
20d "	130	"
8d "	75	"
6d "	200	"
Carbon oil	½	barrel.
"	7	gallons.
Extra cylinder oil	13	barrels.
Crude oil	17	gallons.
Lard "	1¼	barrels.
" refined	21	gallons.
Linseed oil (raw)	1	gallon.
" (boiled)	1	"
Paper	9	yards blue print.
"	4	pounds 22 in. cross section, 10 to 1 in.
"	25	" detail.
"	2	yards muslin back.
"	2	pounds manilla wrapping.
"	1	" tracing.

Paper	17	rolls toilet.
2 ply rubber packing	16	pounds.
1 "	84	"
1 inch square rubber packing	6	"
¾ "	19	"
1¼ inch round Empire packing	22	"
1 "	24	"
¾ "	25	"
Packing	36	" hemp.
"	462	" jute.
Paint	2	"
Paving stones	5	square yards.
Plaster of Paris	5	pounds.
Pickets	5,036	pine.
Pipe clay	½	barrel.
Powder	11	pounds.
Polish	5	" for brass.
Plumbago	1½	"
¾ inch boiler rivets	2	"
Salt	¾	barrel common.
1 inch round head brass screws	1	dozen.
" flat "	12	"
1¼ inch lag screws	200	pounds.
¾ "	20	"
⅝ "	6	"
Scrap—old grate bars	1,400	pounds.
" cast iron	85	tons.
" "	186	pounds.
" brass	1,551	"
" wrought iron crib irons	220	"
" "	3,370	"
" railroad track (small)	4,000	"
" 10 inch wrought iron pipe	26	feet.
" bolt rods	200	pounds.
" 1¼ x 1¼ inch tie rods	2	
" babbitt	45	pounds.
" rope junk	200	"
" lead	100	"
20 inch sewer pipe	2	lengths.
Sewer plates	7	for in front of boilers.

Soap	52	pounds Bell's.
"	15	" castile.
Soapine	9	"
Solder	8	"
9 in. spikes	50	" common.
60d "	120	"
"	50	" railroad large.
"	10	" " small.
Stove polish	3	hand boxes.
Tallow	90	pounds.
Tappers	6	for gas lighter.
2¾ in. x 12 in. x 18 in. tile	13	
3 in. x 14 in. x 18 in. "	13	
Tracing cloth	3	yards.
Twine	1	pound cotton.
"	4	pounds hemp (heavy).
¼ inch brass tubing	31	feet for ext. of spindles.
Washing soda	50	pounds.
1 inch washers	6	cast or wrought iron.
⅞ "	15	"
¾ "	18	"
2 "	29	rubber.
1½ "	24	"
1¼ "	80	"
1 "	22	"
¾ "	46	"
15 inch gaskets	1	copper.
14 "	8	"
12 "	3	"
11 "	10	"
9 "	5	"
6¼ "	18	"
6 "	4	"
5 "	25	"
4 "	26	"
3½ "	4	"
3 "	21	"
2½ inch washers	37	"
2 "	35	"
1½ "	76	"

1¼ inch washers	20	copper.
1 "	1	"
¾ "	32	"
⅝ "	79	"
Wash bowls	4	of old closets.
Waste	310	pounds cotton.
Wedges	872	wooden.
Wicking	9	pounds lamp.
"	2	" mop.
Wicks	8½	dozen lamp.
Wire	2	pounds stove pipe.
"	10	feet copper.
Wiping soil	1	pound plumber's.
2 in. x 28 in. and 1¼ in. x 7 ft. round bars	75	pounds.

TOOLS, ETC.

Aqueduct gates	19	
Adzes	1	
2 inch air-cock bends	5	
1½ "	1	
1¼ "	1	
1 "	1	
¾ "	1	
Anvils	2	
Armrests	3	for books.
Atlas	1	City of Cleveland.
2 inch ship augers	1	
1¾ "	1	
1¼ "	2	
1⅛ "	3	
1 "	5	
⅞ "	1	
¾ "	5	
½ "	1	
2 inch augers	1	
1½ "	3	
1⅜ "	3	
1¼ "	2	
1⅛ "	7	
1 "	6	

⅜ inch bits	1	
⅝ "	3	
½ "	2	
¼ "	1	
Auger handles	1	wooden.
"	2	double arm—iron.
"	1	single "
Awls	1	
Axes	6	
"	2	small hand.
"	1	wood chopper's.
Axe helves	11	
Ash boxes	1	wooden.
Barometers	3	
Baskets	2	1 bushel.
6 inch belt	25	feet for centrifugal pump.
Bellows	1	blacksmith's.
Benches	4	carpenter's.
"	3	work.
"	23	for runway at H. S. reservoir.
Black boards	1	
12 inch blocks	2	double iron.
8 "	2	"
7 "	5	"
6 "	6	"
"	2	extra large double iron, 8¾ in. sheaves and hooks.
12 "	10	double wooden.
11 "	1	"
10 "	1	"
9 "	3	"
8 "	2	"
6 "	3	"
17 "	2	snatch—wooden.
14 "	1	"
9 "	1	"
8 "	2	"
7 "	2	"
6 "	1	"
8 "	1	snatch—iron.
"	2	wrought iron for taking off piston heads.

Blocks	3	differential—large.
Blowers	2	grate.
Blue print apparatus	1	complete.
Boat	1	
" oars	2	
Boilers	1	stationary upright.
Boring irons	2	
Boxes	2	iron, for hoisting stone.
Box handles	2	
Bottles (2 quart)	69	with glass stoppers.
Braces	2	common.
"	1	ratchet.
Brooms	1	dust.
"	34	common.
"	1	clothes.
Brushes	6	color.
"	5	dust.
"	4	paint.
"	2	stencil.
"	5	window, complete.
"	1	mucilage.
"	4	whitewash.
Calipers	2	pipe, large.
"	2	small.
"	1	elevator.
Candles	12	paraffine.
Cans, 1 gallon	1	strainer.
"	2	filling.
" 15 gal. oil	2	
" 10 "	2	
" 5 "	2	
" 4 "	1	
" 3 "	2	
" 2 "	7	
" 1 "	11	
" 1 quart oil	1	brass.
Caps	1	cast iron, for tube well.
Capstan bars	14	
Car movers	3	
Card racks	1	

Carpets	60	square yards Brussels.
Caulking tools	11	boiler.
"	80	pipe.
"	13	" handled.
Cases	2	for maps, etc.
"	1	" draughting paper.
"	1	" Annual Reports.
"	1	" water rent bills.
"	2	" permits.
"	3	pasteboard.
"	1	requisition.
"	1	tappers' books.
"	1	old reports and bills.
"	1	bill or claims.
Chairs	4	arm.
"	14	common.
"	3	perforated seat.
"	2	splint.
"	11	desk.
"	12	upholstered.
"	4	iron.
⅞ inch chains	11	feet, hook and ring.
¾ "	35	" 2 hooks.
¾ "	14	" hook and ring.
¾ "	31	" plain.
¾ "	16	" 6 inches, 2 hooks.
¾ "	22	" link and cleavis.
¾ "	14	" 3 pieces to 1 ring.
¾ "	64	" 2 hooks.
¾ "	11	" plain.
⅝ "	18	" hook and link.
½ "	11	" 1 hook.
½ "	6	" 1 cleavis.
½ "	15	" plain.
⅜ "	22	" hook and ring.
⅜ "	4	" "
⅜ "	3	hydrant.
¼ "	4	feet, hook and ring.
"	2	pipe laying.
"	1	surveyor's, 100 feet.

Chandeliers	3	6 arm complete.
"	4	4 "
"	5	2 "
Chandelier globes	12	
Chisels	7	cape.
"	2	center.
"	59	cold.
"	56	diamond point or gouge.
"	2	ice.
2 inch joiner chisels	1	
1½ "	1	
1 "	1	
¾ "	2	
¼ "	2	
1¾ inch joiner gouge chisels	1	
1½ "	1	
Chisels	2	sleeve.
"	20	stone.
"	2	" long.
Clamp	1	for handling pistons.
" screw	1	" valve of cold water pumps.
Claw bars	1	
Cleavis and bolts	3	
Clocks	2	
Clothes racks	3	
Coal cars	2	small.
" scuttles	5	
Cold sets	41	handled.
"	1	" for anvil.
Coin detector	1	
Compasses or dividers	2	
"	1	beam, complete.
Connection rods	2	with boxes and keys.
Cots	1	wire woven.
Couch	1	
Counters	1	office, large.
"	1	" small.
" and case	1	for records.
Counter borers	1	
Countersinks	1	for iron.

Countersink	1	for wood.
Cross-head keys	3	
Crow-bars	22	
Cups	5	tin.
Cup-boards	1	lamp and tool.
"	2	"
"	5	clothes.
2 inch curve pipe	1	for meter tests.
1½ "	1	"
1 "	1	"
¾ "	1	"
Curtains	22	window.
Cutting block	1	wrought iron.
Cylinder head (extra)	1	for Worthington pump.
Cornice	2	for boiler front.
Deck plates	4	
Derricks	1	for crib shaft screens, complete.
"	2	gate well.
"	3	folding.
"	2	large, pipe.
" or platform	1	for erecting new style street sprinklers.
Derrick handles	4	
Desks	1	cash.
"	1	counting house.
"	11	office.
"	1	register.
"	5	wall.
"	2	common.
2 inch dies	1	
1½ "	2	
1¼ "	1	
1 "	4	
¾ "	3	
½ "	3	
⅜ "	1	
¼ "	1	
1¼ "	4	sets adjustable.
1 "	1	"
½ "	1	"
⅞ "	1	for stay bolts.

2 to 1½ inch automatic dies	1	set.
1¼ to 1 "	1	"
¾ to ½ "	1	"
3 inch die	1	for Manning hydrant.
2 " stocks	2	common.
1 " "	3	
" "	3	for bolts.
Die frames	2	extra.
1½ inch die stock guides	1	
1¼ "	1	
1 "	1	
¾ "	2	
½ "	3	
⅜ "	1	
Dippers	3	tin.
Dirt scoops	1	
Ditch lines	5	
Draughting boards	16	
" scales	1	boxwood.
" "	2	brass.
Draw shaves	2	
Drift keys	2	
1¼ inch drift bars	1	
1 "	1	
1½ inch drills	1	flat.
1⅜ "	1	"
1¼ "	1	"
1⅛ "	1	"
1 "	1	"
⅞ "	2	"
¾ "	2	"
⅝ "	2	"
½ "	2	"
7-16 "	1	"
⅜ "	1	"
¼ "	1	"
3-16 "	1	"
⅛ "	2	"
1 "	1	twist.
3-16 "	2	"

1½ inch drills	1	stone.
1 "	4	"
"	1	" long.
3 "	1	tube well drill or auger.
2 "	2	" auger.
2 "	1	" drill.
Drill press	1	hand.
"	1	stationary, complete.
Drill sockets	1	
Drip pans	4	tin.
"	5	brass.
Drop light tubes	5	
" chimneys	2	Argand.
Drop lights	5	complete.
Dust pans	3	
Dusters	2	feather.
12 in. x 12 in. x 9 feet pine engine blocking	4	
12 in. x 12 in. x 7 feet "	3	
10 in. x 12 in. x 7 feet "	2	
10 in. x 10 in. x 10 feet "	2	
8 in. x 12 in. x 6 feet "	1	
8 in. x 8 in. x 9 feet "	1	
8 in. x 8 in. x 7 feet "	1	
6 in. x 6 in. x 12 feet "	10	
4 in. x 4 in. x 12 feet "	1	
8 in. x 12 in. x 3 feet oak engine blocking	8	
6 in. x 12 in. x 6 feet "	1	
6 in. x 10 in. x 12 feet "	1	
6 in. x 9 in. x 7 feet "	1	
6 in. x 6 in. x 9 feet "	1	
4 in. x 15 in. x 15 feet "	1	
4 in. x 12 in. x 6 feet "	1	
3 in. x 10 in. x 7 feet "	1	
Engine and boilers	1	portable.
2 inch eye bolts	1	
1½ "	2	
1¼ "	5	
1¼ "	1	with ring.
1⅛ "	17	
1 "	12	

⅞ inch eye bolts	16	
¾ "	14	
⅝ "	6	
½ "	18	
⅜ "	2	
¼ "	2	
1 inch eye hook	1	
Faucets	1	barrel, brass.
¼ inch figures	1	set.
16 inch files	1	bastard.
14 "	11	"
14 "	1	common flat.
16 "	1	round.
14 "	3	"
12 "	8	"
8 "	1	"
14 "	6	½ round.
12 "	6	"
6 "	1	¼ round.
14 "	2	smooth, flat.
14 "	2	square.
12 "	1	"
10 "	1	"
9 "	1	"
6 "	2	knife blade.
7 "	1	saw.
6 "	1	"
4 "	1	"
File handles	2	curved, iron.
Fire hooks	10	
Fire extinguishers	2	complete.
Flatteners	1	handled, for anvil.
Flags	1	"U. S."
"	1	distress.
Flag staffs	2	
Flue blowers	2	
Forges	1	blacksmith's.
"	1	" portable.
Furnaces	2	hot water, complete.
"	1	tallow. "

Furnace cylinders	7	lead.
" grates	8	"
Furnaces	1	truck, lead—complete.
"	1	plumber's.
Funnels	2	handled, tin.
"	2	small.
Gas brackets	12	double.
"	5	single.
Gas lighters	3	
Gate well screens and frames	1	
" screen frames	1	
Guards	6	for beams.
Gauges	2	steam.
"	1	water pressure.
"	1	water (boiler).
"	3	lead pipe.
¾ in. x 14 in. gauge glasses	16	
⅝ in. x 12 in. "	3	
Gauge cocks	6	steam.
Gauge cock plugs	3	brass.
3½ inch gibbs	4	"
Glasses	3	drinking.
¾ inch goosenecks	1	
Grappling hooks	1	set.
Drag hooks	1	
Grate shakers	1	stove.
Grindstones and stands	4	
Hammers	1	blacksmith's.
"	14	caulking.
"	1	chipping.
"	3	claw or carpenter's.
"	2	key, copper.
"	4	machinist's.
"	1	stone.
"	1	paving.
Harnesses	2	sets.
Hatchets	3	
Hay forks	1	
Manure forks	3	
Hoes	3	ash.

Hoes	4	garden.
"	6	fire, large.
"	2	" small.
"	2	grub.
Holding on bars	2	for riveting.
Hooks	11	boiler scale cleaning.
"	2	packing.
"	1	screen, for gate well.
"	2	link.
"	1	swivel, for tube well.
"	1	for sand pump and tube well.
"	1	drop, for tube well.
Horses	1	
Horse blankets	2	
Horse covers	1	oilcloth.
Horses	5	wooden, small.
"	4	" large.
"	1	traveler bar, large.
"	2	" iron.
1½ inch steam hose	50	feet.
1¼ "	50	"
1 "	45	"
¾ "	50	"
2½ inch fire hose	15	sections.
" washers	10	
1 inch garden hose	50	feet.
¾ "	250	"
½ "	12	"
2 inch hose clamps	1	
3 to 2½ inch hose reducing coupling	1	
2 to ¾ inch " (brass)	1	set.
1 inch hose nipples	2	
1¼ " nozzles	1	
¾ " "	2	
Hose reels	1	
Ice bars	3	
Indicators	2	horse-power, complete.
Injectors	1	
Jack screws	2	
½ inch jets	1	for meter tests.

7-16 inch jets	1	for meter tests.
⅜ "	1	"
5-16 "	1	"
¼ "	1	"
3-16 "	1	"
⅛ "	1	"
1-16 "	1	"
1-32 "	1	"
Kettles	1	iron.
Keys	13	new style, street washer.
"	2	old " "
25 foot ladders	2	
24 "	1	
21 "	1	
20 "	2	
18 "	1	
16 "	1	
15 "	1	
14 "	1	
13 "	1	
9 "	3	
10 "	1	step.
6 "	1	"
4 "	9	" common.
15 "	1	rope.
Ladles	11	lead.
Ladle rests	2	
Lamps	2	bracket, coal oil.
"	12	hand, lard oil.
"	1	ship
"	1	"Fresnel."
Lanterns	32	red globe.
"	16	white globe.
Lantern globes	18	red.
"	12	white.
Lantern burners	14	
" posts	2	
Lanterns	3	bull's eye.
Lawn mowers	3	
" knives	1	bottom.

Lawn rollers	2	
Lead pots and hooks	13	
Leathers	3	tappet.
Letter boxes	2	
Levels	1	surveyor's Y.
"	1	spirit.
Leveling rods	1	long.
"	1	short.
Levers	1	clamp, for tube well pipe.
"	1	for Math. hydrant.
"	1	large wooden.
Linoleum	75	square yards.
Map books	6	pipe records, small.
"	7	pipe and connection records large.
Maps	1	large, Low and High Service Pipe District.
"	1	" High Service Pipe District.
"	1	meter districts.
"	6	small, city.
"	1	of water diagrams.
Map cases	1	tin.
Match boxes	1	
Matresses	1	
Mats	3	door.
Mattocks	13	
Mattock handles	2	
Mallets	1	
Mauls	1	wooden.
"	1	iron.
3 gal. measures	1	tin.
1 "	3	"
2 quart measures	1	"
1 "	1	"
Minute glasses	2	
Mirrors	3	
Mops	4	
Mop handles	2	extra.
" wringers	1	
Nipples	28	for fountain, brass.
Nozzles and jets	4	"
Nuts	6	box, brass.

Nuts, bolts and studs	300	pounds, brass—estimate.
Office railing, 6 ft. 9 in	24	feet.
" 3 ft. 6 in	28	"
Oil cups	4	
1⅝ in. x 2½ oil cup glasses	12	
No. 3 oilers	7	zinc, squirt.
Oilers	1	small zinc, squirt.
"	10	brass.
"	6	malleable.
Oil can	1	for beam center.
Oil stones	2	
Offset iron	1	for anvil.
"Old man"	1	for drilling.
Pails	6	iron.
"	45	wooden.
" 3 gallon	2	granite.
" 3 quart	1	tin.
" 2 "	2	"
Pavement pounders	3	
Picks	165	earth.
"	13	stone.
Pick handles	124	
"	8	stone.
Pickets	2	surveyor's, long wooden.
"	2	" small steel.
Pictures and frames	17	miscellaneous.
Pillows	1	
Pins	10	surveyor's.
Pipe cutters	4	
Piston rings	4	sets, for Cornish Condenser, conical.
Pinch bars	2	
Pike poles	1	
Planes	3	jack.
"	1	smooth.
"	1	beading.
"	2	edge.
5 in. x 14 in. x 18 ft. planks	2	oak, for pipe laying.
3 in. x 14 in. x 16 ft. "	2	" meters.
Plans	11	miscellaneous.
"	71	special castings.

Plans	18	boilers.
"	8	location of water pipe.
"	47	engine.
"	112	crib, tunnel and aqueduct.
"	68	Kinsman and Fairmount Res. and H. S. Pump Station.
"	58	West Side Pump Works, grounds, etc.
3 inch plugs	1	for Manning hydrant.
Plumb lines	2	long.
" bobs	3	brass.
Plyers	1	cutting.
"	1	common.
"	1	gas.
Pokers	5	fire, long.
"	3	stove.
Portfolio	1	of water diagrams.
Printing outfit	1	hand.
Punches	3	center.
"	8	hollow.
"	8	solid.
Pumps, 6 inch	1	centrifugal.
"	1	force, plumber's.
"	1	" common.
4 inch pumps	1	iron.
3 "	3	"
3 "	1	brass.
2½ "	2	"
1 "	2	"
¾ "	2	"
4 inch valve pumps	2	
Pyrometers	1	
Radiator shields		
Rakes	7	garden.
"	4	lawn.
"	3	stone.
Ram	1	for tube well.
Ratchets	1	double wheel.
3 inch ratchets	1	lifting, for taking out plungers.
Record boards	1	
1 inch reamers	2	round.
¾ "	15	"

1 inch reamers	1	flat.
¾ "	1	"
¾ "	1	cement pipe.
Rounding irons	1	handled, for anvil.
"	1	for anvil.
2 in. x 8 ft. plunger rods (finished)	2	for cold water cylinder of Cornish pump.
2 in. x 19 ft. "	2	for cold water cylinder of Cornish pump.
Plunger rods	2	
7 inch rope	411	feet.
5 "	30	"
4½ "	385	"
4 "	486	"
3½ "	274	"
3 "	164	"
2½ "	439	"
2 "	120	"
1½ "	800	"
Rope	11	pipe laying.
" 25 ft. long	2	meters, with hook.
"	1	2 hooks and 1 thimble, for lowering stop cock boxes.
Rollers	4	for taking out plungers.
"	4	wooden.
Resin box	1	
Reels	1	plumb line.
Safes	1	
Sample boxes	15	
Safety valves	1	lever.
Satchel	1	hand.
Saws	11	hand.
"	1	keyhole.
"	3	cross cut, large.
"	1	hack, complete.
"	1	ice.
Saw frame	1	hack.
Screens	2	circular, for crib shaft.
"	4	window, small.
"	1	" large.
" 4 feet	1	sand.
Scales	1	letter weight.
"	1	counter.

Scales	7	platform, small.
"	1	" wagon.
"	1	railroad track.
"	1	steelyard, complete.
20 inch scale scrapers	2	boiler.
Scrapers	1	pipe.
"	1	boiler flue scrapers.
12 inch screw drivers	3	
10 "	3	
8 "	2	
6 "	1	
Scoop net bowls	2	
Scythes	3	
Scythe snaths	5	
Seal stamp	1	"C. W. W."
4 foot settees	7	iron.
1¼ inch set bolts	12	
1⅛ "	31	
1 "	14	
⅞ "	16	
¾ "	23	
⅝ "	13	
½ "	2	
Shaker bars	3	for grate.
Shackle bars	2	
Shave hooks	1	
4 inch sheaves	5	
Shears	1	cloth.
"	1	tinner's.
"	1	lamp.
Shovels	7	coal, long.
"	4	" No. 2.
"	1	dirt, long.
"	5	" short.
"	11	tunneling, long.
"	8	" short.
"	1	coal, stove.
"	4	snow.
"	2	scoop.
Sickles	3	

Sign	1	water rent.
Slates	8	single.
"	7	double.
"	3	book.
Sieves	2	
Sledges	18	
"	12	stone.
"	1	for beating packing.
Sledge handles	29	
Sleigh runners	1	set, for wagon.
Slice bar	1	
Snap hook	1	
Soil cups	1	
Soldering irons	1	
Solder pots	2	
" ladle	1	
Sounding poles	1	
Spades	3	
Spittoons	21	
Sponges	6	large.
Sprinkler cans	1	"
Spuds	1	"
Squares	3	carpenter's.
Stands	8	for traveler bar.
Stand	1	for stop cock boxes.
Stamp	1	not in use.
"	1	bill.
"	1	voucher register.
"	4	number.
"	1	"Turned off."
"	1	"Refund."
"	1	assessment.
Stencils	3	sets, number.
"	6	" letter.
Stone hooks	2	"
Stools	8	desk.
"	1	common.
"	7	foot, common.
Stoves	5	soft coal, complete.
Straight edges	1	small, steel.

Straight edges	5	large, wood.
"	2	draughtsman's, small wooden.
Swimming suit	1	
Syringes	1	tin.
Syphon	1	boiler.
Tables	3	common, small.
"	3	draughting, complete.
"	2	office, large.
"	4	" small.
"	1	oval.
"	1	map book, large.
Tally sheets	1	iron.
Tamping bars	17	
60 gallon tanks	1	with pump.
50 "	2	with faucet.
100 cu. ft. tanks	1	for meter tests.
66 ft. tape lines	1	cloth.
50 "	13	"
100 "	1	steel.
50 "	1	"
12 inch tapping clamps	1	
8 "	1	
6 "	2	
Tapping machines	2	old style.
"	2	for pressure, complete.
" stuffing boxes	4	" machine.
1 inch taps and drills	2	" "
¾ "	3	" "
⅝ "	4	" "
½ "	4	" "
2 inch taps	2	plug.
1½ "	3	"
1¼ "	2	"
1⅛ "	1	"
1 "	3	"
¾ "	3	"
½ "	1	"
⅜ "	1	"
¼ "	1	"
3-16 "	2	"

⅝ inch taps	2	taper.
7-16 "	1	"
⅜ "	1	"
¼ "	1	"
3-16 "	1	
Templates	1	zinc, for bottom of Worth. pump water cylinder.
36 inch templates	1	
22 "	1	
9 "	1	for steam pipe flange.
7 "	2	"
6 "	1	"
5 "	2	"
4 "	2	"
3 "	3	"
Templates	14	meter gasket, assorted sizes.
Tee squares	2	draughtsman's.
"	3	leveling.
Thermometers	3	
Timber hooks	1	set, large.
" trucks	1	
Tongs	5	blacksmith.
"	1	chain.
3 inch pipe tongs	3	
2 "	3	
1 "	3	
¾ "	4	
¼ "	1	
4 inch jaw tongs	2	
Tongs	1	rivet.
"	1	coal, for stoves.
Tool bags	1	plumber's.
Torches	18	coal oil, hand.
"	1	plumber's.
Towels	12	
Trams	5	for setting pump valves.
Transit	1	complete.
Tripods	2	level and transit.
Traveler bars	5	
Traveler bar wheels	5	
" hook and clevis	3	

Traveler bar clevis and eye bolt	2	
Triangles	2	draughtsman's.
Trowels	4	mason.
Trolly or truck	1	for crib boat, complete.
Turn pins	1	
Turn table plates	5	complete.
" balls	41	
Trucks	1	platform.
"	1	hand.
Turn buckles	1	
9½ inch turn buckles	1	
Turn buckle and hook	3	
Type	4	sets, assorted sizes.
Valves	133	Worth. pump, old, rubber.
Valve plates	65	"
" caps	51	" large.
" seats	12	"
" springs	48	"
" bucket	22	" rubber.
"	96	Knowles pump, rubber.
"	1	Cornish "
Valve stems	2	brass, for Cameron feed pump.
Valves	4	rubber, for Worth. "
Valve seats	32	for Worth. feed pump.
Vises	3	bench, large.
"	1	carpenter's.
"	1	hand.
"	3	pipe.
"	2	machinist's.
Wagons	3	
Ward robes	1	
Washer cutters	2	
Waste baskets	7	
Washing-out pokers	6	for boilers.
" pipes, ¾ inch	3	"
Water coolers	1	zinc.
"	1	stone.
Wedges	7	iron, common.
"	2	stone, large.
"	15	" small.

Winches	2	complete.
Wheels	1	for feed water valves.
Wheelbarrows	3	iron.
"	21	wooden.
Whet stones	2	
Wiping cloths	4	solder.
Window scrapers	2	
Wrenches	7	for Cornish engine.
30 inch wrenches	1	for suction valve.
3 "	1	bent.
2¼ "	1	"
1½ "	1	"
1¼ "	1	"
4 "	3	box.
2 "	1	"
1⅛ "	1	"
1¼ "	1	cock.
1 "	2	"
¾ "	1	"
¾ "	1	blow off, for boiler.
"	1	hose.
Hydrant wrenches	3	6 in. rod and nozzle wrench.
"	12	4 " "
"	1	6 & 4 " "
" inside stuff. box	1	for 4 and 6 in. hydrant.
"	1	valve seat, Math. hydrant.
"	1	long, valve seat, Math. hyd.
"	1	valve seat, Manning hydrant.
" inside stuff. box plate	1	for 6 in. Math. hydrant.
"	1	for 4 in. Cincinnati hydrant.
21 inch monkey wrenches	1	
20 "	2	
18 "	1	
15 "	3	
14 "	2	
12 "	10	
10 "	4	
"	3	large key.
2¾ x 1½ inch wrenches	1	nut, double ended.
2½ x 1¾ "	1	"

2 x 1⅞ inch wrenches		1	nut, double ended.
1¾ x 1½	"	6	"
1⅝ x 1½	"	1	"
1⅝ x 1¼	"	1	"
1½ x 1¼	"	1	"
1⅜ x 1¼	"	1	"
1¼ x 1	"	2	"
1⅛ x 1	"	1	"
1 x ⅞	"	1	"
1 x ¾	"	1	"
7-16 x ⅝	"	1	"
6¼ inch wrenches		1	nut, single ended.
5⅝	"	1	"
4⅝	"	1	"
3¾	"	3	"
5	"	1	"
3¼	"	3	"
3	"	4	"
2¾	"	1	"
2½	"	3	"
2⅜	"	2	"
2¼	"	5	"
2⅛	"	1	"
2	"	5	"
1¾	"	11	"
1⅝	"	2	"
1½	"	9	"
1⅜	"	2	"
1¼	"	8	"
1⅛	"	3	"
1	"	6	"
⅞	"	1	"
¾	"	2	"
	"	2	reservoir.
½ x ⅜	"	2	set screw.
2½ x 2¼	"	1	S wrench.
2½	"	1	"
2¼ x 2	"	1	"
2	"	1	"
1½ x 1⅜	"	1	"

1¼ x 1⅛ inch wrenches	1	S wrench.
¾ "	1	"
¾ x ⅞ "	1	"
4⅝ inch socket wrenches	1	
3 "	1	
2¾ "	2	
2½ "	2	
2¼ "	4	
2⅛ "	3	
2 "	3	
1¾ "	4	
1⅝ "	3	
1½ "	8	
1⅜ "	3	
1¼ "	2	
1⅛ "	1	
1 "	4	
⅞ "	1	
3⅞ x 2¼ inch double socket wrenches	1	
3⅞ x 2⅝ " "	1	
1¾ x 1½ " "	1	
Wrench	1	socket for under water, long.
1⅛ inch wrench levers	1	socket.
¾ "	1	"
Wrenches	5	span.
"	2	sprinkler.
"	12	stop cock, new style.
"	4	" old "
" 3 inch	1	stop cock.
"	5	tap, large.
"	5	" small.
"	5	" double lever.
"	2	Air-cock.
"	1	claw, for globe valves.
30 inch wrenches	4	Manning valve, lever.
6 "	1	combination.
6 "	14	Manning valve, T handle.
3 "	4	" "
30 inch wrench wheels	1	valve.
30 " levers	3	"

20 inch Scowden valve wrenches	2	lever.
16 " "	1	"
16 " "	1	T handle.
8 " "	1	lever.
6 " "	1	"
4 " "	1	T handle.
Wrenches	1	fountain.
Yarning tools	13	

Report of the Workhouse.

OFFICERS.

BOARD OF WORKHOUSE COMMISSIONERS.

ROBERT E. MIX . . . . . PRESIDENT.
F. W. PELTON . . . . . VICE PRESIDENT.
A. McALLISTER.
A. T. VAN TASSEL.
LEE McBRIDE.

OFFICERS.

W. D. PATTERSON . . . . . SUPERINTENDENT.
JOHN A. McINTOSH . . . . . DEPUTY SUPERINTENDENT.
C. L. HOTZ . . . . . BOOK-KEEPER.
J. C. WHITE . . . . . ASSISTANT BOOK-KEEPER.
DR. E. H. JEWETT . . . . . HOUSE PHYSICIAN.
MRS. M. A. PATTERSON . . . . . PRINCIPAL MATRON.

HOUSE OF REFUGE DEPARTMENT.

ALEXANDER McBANE . . . . . DEPUTY SUPERINTENDENT.

CLEVELAND, O., April 30, 1890.

To the Honorable President and Members of the City Council of the City of Cleveland, Ohio:

GENTLEMEN:—I have the pleasure herewith to submit to your Honorable Body the Annual Report of the Workhouse, and House of Refuge and Correction, for the sixteen months closing April 30, 1890, as made my duty by statute.

Most respectfully submitted,

W. D. PATTERSON,

Sup't and Sec'y.

Directors' Report.

Directors' Report.

To the Honorable Mayor and City Council of the City of Cleveland, Ohio:

GENTLEMEN:—The Board of Workhouse Directors herewith present to your Honorable Body the report of this Institution for the year 1889, and up to May 1st, 1890, being for a period of sixteen months.

These accounts have been verified by an expert accountant, of our own selection, his certificate being a part of this report.

All of which is most respectfully submitted.

R. E. MIX,
A. McALLISTER,
F. W. PELTON,
A. T. VAN TASSEL,
LEE McBRIDE,
Directors.

To the President and Directors of the Workhouse, House of Refuge and Correction:

GENTLEMEN:—At the request of Superintendent Patterson, I have examined the books and accounts from January 1, 1889, to May 1, 1890, inclusive; also the inventory and the statements and exhibits as made by Mr. Hotz, the book-keeper, and find them correct and agreeing with the ledger accounts.

I notice that in your statement of assets you do not include the buildings and real estate. In exhibit "B" you will notice an item of $3,315.70 for special improvements that goes in as expenses, when if you had a building and real estate account the larger portion would be charged there, as it increases the value of the Works, and would decrease your expenses that much.

As I have examined all the city departments, it may not be out of place for me to say that yours is one of the very few of the city departments that has a good system of keeping accounts, and that in neatness of work is second to none.

Respectfully submitted,

T. C. DOOLITTLE,

Accountant.

CLEVELAND, O., May 10, 1890.

Financial and Statistical Reports

FOR THE

SIXTEEN MONTHS ENDING APRIL 30, 1890.

BALAN MONTHS, ENDING APRIL 30, 1890.

	Assets.		Profit and Loss.	
	Resources.	Liabilities.	Expense.	Gains.
	$	$	$	$
Cash Account	300 00			
City Treasurer	3,231 26			
Brush Account	30,220 75			11,575 52
Shoe Account	376 95		1,181 90	
Salaries			28,749 27	
Expense	260 90		2,366 06	
Furniture and Fi	7,000 95		439 37	
Clothing and Bed	5,911 40		3,290 29	
Fuel and Light	52 47		6,086 42	
Medical Supplie	40 00		247 34	
Discount			3,217 05	
Freight			2,891 56	
Hay and Feed	39 75		624 53	
Repairs—Buildi	38 32		929 64	
Special Improve			3,315 70	
Live Stock	900 00		125 00	
Interest			827 24	
Engine	61 79		148 23	
Boiler			199 61	
Brush Machine	4,839 30		539 42	
General Implem	2,767 99		370 25	
Provision	1,234 29		22,014 60	
Laundry Machi	1,750 00		50 00	
Officers' Uniform	273 44			90 68
Accounts Recei	26 309 99			
				2,997 74
				24,833 93
	26 98			388 41
		31,803 57		
	$ 85,636 53	$ 31,803 57	$ 77,613 48	$ 39,886 28
Exc		53,832 96		
	$ 85,636 53	$ 85,636 53		
Exc				37,727 20
			$ 77,613 48	$ 77,613 48

Exhibits.

SUPERINTENDENT'S REPORT.

EXHIBIT "A."

STATEMENT OF RECEIPTS AND DISBURSEMENTS.

1889.	RECEIPTS.			
January 1.	Cash in hands of City Treasurer		$ 7,986 98	
1890. April 30.	" receipts for 16 months	$151,454 21		
	" " " tax levied, net	20,649 81		
			172,104 02	
				$ 180,091 00
	DISBURSEMENTS.			
April 30.	Cash paid by warrants on City Treasurer		176,559 74	
	Balance on hand with City Treasurer		3,231 26	
	" " " Superintendent		300 00	
				$ 180,091 00

EXHIBIT "A"—*Continued.*

DETAILED STATEMENT OF RECEIPTS.

1890.			
April 30.	Received on brush account		$ 121,770 01
	" from boarding Cuyahoga Co. prisoners	$ 14,981 75	
	" " " sundry Co. prisoners	10,137 43	
	" " " United States prisoners	111 07	
	" " transporting prisoners from Cen. Stat'n.	600 00	
	" " fines, city cases	2,997 74	
	" " repairing shoes	39 65	
	" " repairing clothes	6 20	
	" " tax levied, net	20,649 81	
	" " sale of rags	16 47	
	" " " waste paper	21 77	
	" " " manure	21 50	
	" " " bristle casks	32 95	
	" " " kindling wood	7 75	
	" " " molasses barrels	23 05	
	" " " flour barrels	149 15	
	" " " pork barrels	1 80	
	" " " varnish barrels	10 00	
	" " " tallow	115 63	
	" " " flour sacks	8 60	
	" " " one old chair	50	
	" " " old iron	27 44	
	" " " officers' uniform clothes	73 75	
	Cash advanced by City Treasurer	300 00	50,334 01
			$ 172,104 02

EXHIBIT

STATEMENT SHOWING EXPENSE AND PROFIT OF

1890.	EXPENSE.		
April 30.	Shoe account	$ 1,181 90	
	Salaries	28,749 27	
	Expense	2,366 06	
	Furniture and fixtures	439 37	
	Clothing and Bedding	3,290 29	
	Fuel and light	6,086 42	
	Medical supplies	247 34	
	Discount	3,217 05	
	Freight	2,891 56	
	Hay and feed	624 53	
	Improvement and repairs	929 64	
	Special improvement	3,315 70	
	Live stock	125 00	
	Interest	827 24	
	Engine	148 23	
	Boiler	199 61	
	Brush machinery	539 42	
	Implement	370 25	
	Provision	22,014 60	
	Laundry machinery	50 00	
			$ 77,613 43

"B."

CLEVELAND WORKHOUSE AND HOUSE OF REFUGE.

1890.	GAINS.		
April 30.	In fines, city cases	$ 2,997 74	
	In boarding prisoners	24,833 93	
	In manufacture of shoes	388 41	
	In manufacture of officers' uniform clothing	90 68	
	In manufacture of brushes	11,575 52	
			$ 39,886 28
	Expense of maintaining Workhouse and House of Refuge		37,727 20
			$ 77,613 48

EXHIBIT

STATEMENT SHOWING RUNNING EXPENSES AND PROFITS OF

1890.	EXPENSES.		
	COST OF—		
April 30.	Shoes	$ 1,181 90	
	Salaries	28,749 27	
	Sundry supplies	2,366 06	
	Furniture and fixtures	439 37	
	Clothing and bedding	3,290 29	
	Fuel and light	6,086 42	
	Medical supplies	247 34	
	Hay and feed	624 53	
	Improvement and repairs	929 64	
	Engine	148 23	
	Boiler	199 61	
	Provision	22,014 60	
	Laundry machinery	50 00	
			$ 66,327 26

"B 2."

CLEVELAND WORKHOUSE AND HOUSE OF REFUGE.

	GAINS.		
1890.	GAINS—		
April 30.	In manufacture of shoes	$ 388 41	
	In manufacture of brushes	11,575 52	
	In boarding prisoners	24,833 93	
	In making officers' uniform clothes	90 68	
	In permanent improvements	3,315 70	
			$ 40,204 24
	Expense of maintaining the running expenses of the Workhouse and House of Refuge		26,123 02
			$ 66,327 26

EXHIBIT

STATEMENT SHOWING ASSETS AND LIABILITIES OF

1890.	ASSETS.		
April 30.	Cash in hands of Superintendent	$ 300 00	
	Cash in hands of City Treasurer	3,231 26	
	Shoes	376 95	
	Soap, stationery, etc.	260 90	
	Furniture and fixture	7,000 95	
	Clothing and bedding	5,911 40	
	Fuel and light	52 47	
	Medicine	40 00	
	Hay and feed	39 75	
	Lumber for repairs to building	38 32	
	Live stock	900 00	
	Engine oil, etc	61 79	
	Brush machinery	4,839 30	
	General implement	2,767 99	
	Provision	1,234 29	
	Laundry machinery	1,750 00	
	Officers' uniform goods	273 44	
	Shoe leather	26 98	
	Brush stock { manufactured / raw }	30,220 75	
	Book accounts	26 309 99	
			$ 85,636 53

"C."

CLEVELAND WORKHOUSE AND HOUSE OF REFUGE.

1890.	LIABILITIES.		
April 30.	Book accounts	$ 31,803 57	
	Assets in excess of liabilities	53,832 96	
			$ 85,636 53
			$ 85,636 53

EXHIBIT

STATEMENT SHOWING MONTHLY BILLS APPROVED AND

1889.			
January.....	Bills audited.....	$ 8,452 75	
February ...	"	10,466 57	
March.....	"	11,543 06	
April	"	10,851 73	
May	"	10,421 00	
June	"	10,319 54	
July	"	13,152 54	
August	"	13,391 79	
September..	"	11,542 28	
October	"	7,132 31	
November ..	"	11,315 51	
December...	"	6,252 95	
1890.			
January.....	"	11,205 03	
February ...	"	12,271 49	
March	"	16,360 67	
April	"	7,687 65	
			$ 172,366 87
	Add for bills not yet audited	24,115 92	
	Add for December bills, 1888, paid in 1889.....	11,880 52	
			35,996 44
			$ 208,363 31

"D."

SENT TO CITY AUDITOR FOR PAYMENT.

1890.			
April 30.	Warrants drawn to date	$ 176,559 74	
	Amount of unpaid bills at this date	31,803 57	
			$ 203,363 31
			$ 208,363 31

EXHIBIT

SUPERINTENDENT'S

1890.			
April 30.	Receipts to date	$ 172,104 02	
			$ 172,104 02
			$ 172,104 02

"E."

CASH ACCOUNT.

1889.			
January	Cash deposited in City Treasury	$ 7,991 42	
February	" "	6,017 10	
March	" "	16,071 85	
April	" "	12,532 68	
May	" "	15,203 61	
June	" "	8,185 65	
July	" "	11,357 73	
August	" "	9,432 44	
September	" "	11,446 81	
October	" "	7,470 23	
November	" "	6,973 29	
December	" "	12,525 90	
1890.			
January	" "	7,158 76	
February	" "	11,134 05	
March	" "	9,529 41	
April	" "	18,473 09	
			$ 171,804 02
	Balance on hand with Superintendent		300 00
			$ 172,104 02

EXHIBIT

STATEMENT OF THE WORKHOUSE AND HOUSE OF REFUGE,

1889.			
January 1.	Balance in hands of City Treasurer	$ 7,986 98	
1890.			
April 30.	Cash deposited in City Treasury	171,804 02	
			$ 179,791 00

"F."

SHOWING FUNDS IN CITY TREASURY.

1890.			
April 30.	Warrants paid by City Treasurer	$ 176,559 74	
	Balance in hands of City Treasurer	3,231 26	
			$ 179,791 00

ABSTRACT OF ACCOUNTS.

		Dr.	Cr.
1889.	BRUSH ACCOUNT.		
Jan. 1.	To balance on hand	$ 41,280 97	
1890.			
April 30.	" purchases for 16 months	112,159 34	
	" profit on this account	11,575 52	
April 30.	By sale of brushes		$ 134,724 23
	" varnish barrels		25 30
	" bristle casks		37 60
	" kindling wood		7 75
	By inventory		30,220 75
		$ 165,015 83	$ 165,015 83
1889.	SHOE SHOP ACCOUNT.		
Jan. 1.	To balance on hand	$ 23 00	
1890.			
April 30.	" purchases for 16 months	333 57	
	" profit on this account	388 41	
April 30.	By shoe repairs for employees		$ 41 15
	" shoes, Workhouse and Refuge		676 85
	" balance on hand		26 98
		$ 744 98	$ 744 98
1889.	PROVISION ACCOUNT.		
Jan. 1.	To balance on hand	$ 1,283 05	
1890.			
April 30.	" purchases for 16 months	22,332 77	
April 30.	By sale of flour barrels		$ 178 10
	" molasses barrels		26 20
	" tallow		154 03
	" flour sacks		8 60
	By balance on hand		1,234 29
	" expense of this account		22,014 60
		$ 23,615 82	$ 23,615 82

		Dr.	Cr.
1889.	**SHOE ACCOUNT.**		
Jan. 1.	To balance on hand	$ 494 90	
1890. April 30.	" purchases for 16 months	1,063 95	
April 30.	By balance on hand		$ 376 95
	" expense of this account		1,181 90
		$ 1,558 85	$ 1,558 85
1889.	**FURNITURE AND FIXTURES.**		
Jan. 1.	To balance on hand	$ 5,978 16	
1890. April 30.	" purchases for 16 months	1,462 66	
April 30.	By sale of old chair		$ 0 50
	" balance on hand		7,000 95
	" expense of this account		439 37
		$ 7,440 82	$ 7,440 82
1889.	**CLOTHING AND BEDDING.**		
Jan. 1.	To balance on hand	$ 5,922 38	
1890. April 30.	" purchases for 16 months	3,336 68	
April 30.	By sale of rags		$ 51 17
	" repairs to clothes for employees		6 20
	" balance on hand		5,911 40
	" expense of this account		3,290 29
		$ 9,259 06	$ 9,259 06
1889.	**SUNDRY SUPPLIES.**		
Jan. 1.	To balance on hand	$ 16 27	
1890. April 30.	" purchases for 16 months	2,649 69	
April 30.	By sale of waste paper		$ 39 00
	" balance on hand		260 90
	" expense of this account		2,366 06
		$ 2,665 96	$ 2,665 96

		Dr.	Cr.
1889.	**BRUSH IMPLEMENT.**		
Jan. 1.	To balance on hand	$ 4,803 74	
1890. April 30.	" purchases for 16 months	574 98	
April 30.	By balance on hand		$ 4,839 30
	" expense of this account		539 42
		$ 5,378 72	$ 5,378 72
1889.	**MEDICAL SUPPLIES.**		
Jan. 1.	To balance on hand	$ 50 00	
1890. April 30.	" drugs and medicines	247 20	
April 30.	By care of county prisoner		$ 9 86
	" balance on hand		40 00
	" expense of this account		247 34
		$ 297 20	$ 297 20
1889.	**FUEL AND LIGHT.**		
Jan. 1.	To balance on hand	$ 46 50	
1890. April 30.	" purchases for 16 months	6,092 39	
April 30.	By balance on hand		$ 52 47
	" expense of this account		6,086 42
		$ 6,138 89	$ 6,138 89
1889.	**IMPLEMENT ACCOUNT.**		
Jan. 1.	To balance on hand	$ 2,694 63	
1890. April 30.	" purchases for 16 months	443 61	
April 30.	By balance on hand		$ 2,767 99
	" expense of this account		370 25
		$ 3,138 24	$ 3,138 24

		Dr.	Cr.
1889.	LIVE STOCK.		
Jan. 1.	To balance on hand	$ 725 00	
1890. April 30.	" purchases for 16 months	300 00	
April 30.	By balance on hand		$ 900 00
	" expense of this account		125 00
		$ 1,025 00	$ 1,025 00
1889.	IMPROVEMENTS AND REPAIRS.		
Jan. 1.	To balance on hand	$ 166 48	
1890. April 30.	" purchases for 16 months	816 42	
April 30.	By sale of old iron		$ 14 94
	" balance on hand		38 32
	" expense of this account		929 64
		$ 982 90	$ 982 90
1889.	HAY AND FEED.		
Jan. 1.	To balance on hand	$ 32 00	
1890. April 30.	" purchases for 16 months	653 78	
April 30.	By sale of manure		$ 21 50
	" balance on hand		39 75
	" expense of this account		624 53
		$ 685 78	$ 685 78
1890.	SALARY ACCOUNT.		
April 30.	To salaries for 16 months	$ 29,349 27	
April 30.	By transferring prisoners from Central Station		$ 600 00
	" expense of this account		28,749 27
		$ 29,349 27	$ 29,349 27

		Dr.	Cr.
1889.	ENGINE ACCOUNT.		
Jan. 1.	To balance on hand	$ 41 05	
1890. April 30.	" purchases for 16 months	179 72	
April 30.	By sale of oil barrels		$ 10 75
	" balance on hand		61 79
	" expense of this account		148 23
		$ 220 77	$ 220 77
1890.	SPECIAL IMPROVEMENT.		
April 30.	To purchases for 16 months	$ 3,315 70	
April 30.	By expense of this account		$ 3,315 70
		$ 3,315 70	$ 3,315 70
1889.	LAUNDRY MACHINERY.		
Jan. 1.	To balance on hand	$ 1,800 00	
1890. April 30.	By balance on hand		$ 1,750 00
	" expense of this account		50 00
		$ 1,800 00	$ 1,800 00
1890.	OFFICERS' UNIFORM ACCOUNT.		
April 30.	To purchases for 16 months	$ 265 59	
	" profit on this account	90 68	
April 30.	By suits made for officers		$ 82 83
	" balance on hand		273 44
		$ 356 27	$ 356 27

Statistical Tables.—Workhouse.

STATEMENT OF ACCOUNTS OF FINES AND COSTS COLLECTED BY THE SUPERINTENDENT, IN CITY AND STATE CASES, FOR THE YEAR 1889.

Months.	City Cases.	State Cases.	Total.
January	$ 220 99	$ 117 45	$ 338 44
February	328 37	88 06	416 43
March	211 97	404 18	616 15
April	187 65	495 61	683 26
May	99 55	353 92	453 47
June	292 51	304 62	597 13
July	246 17	296 52	542 69
August	354 63	329 53	684 16
September	415 74	404 51	820 25
October	545 42	276 00	821 42
November	169 00	208 67	377 67
December	240 92	249 18	490 10
Total	3,312 92	3,528 25	6,841 17

TABLE NO. 1.

WORKHOUSE POPULATION.

	Males.	Females.	Total.
Remaining January 1, 1889	290	54	344
Whole number committed during 1889	2,921	538	3,459
Total	3,211	592	3,803
Discharged during 1889	2,865	535	3,400
Total remaining December 31, 1889	346	57	403

TABLE NO. 2.

NUMBER RECEIVED EACH MONTH.

Months.	Males.	Females.	Total.
Remaining January 1, 1889	290	54	344
Received during January	226	33	259
" February	180	24	204
" March	220	38	258
" April	214	33	247
" May	207	51	258
" June	246	57	303
" July	237	58	295
" August	312	53	365
" September	277	53	330
" October	266	43	309
" November	275	48	323
" December	261	47	308
Total	3,211	592	3,803
Discharged during 1889	2,865	535	3,400
Remaining December 31, 1889	346	57	403

TABLE No. 3.

DISCHARGED DURING EACH MONTH.

Months.	Males.	Females.	Total.
Discharged during January	210	29	239
" February	176	29	205
" March	220	32	252
" April	238	42	280
" May	232	44	276
" June	245	45	290
" July	233	51	284
" August	282	52	334
" September	271	55	326
" October	281	57	338
" November	258	57	315
" December	219	42	261
Total	2,865	535	3,400

TABLE No. 4.

MONTHLY AVERAGE OF CONFINEMENT DURING THE YEAR 1889.

Months.	Males.	Females.	Total.
Average during January	305.26	58.19	363.45
" February	306.42	53.05	359.47
" March	305.90	56.09	361.99
" April	296.11	55.32	351.43
" May	271.82	51.13	322.95
" June	259.21	62.70	321.91
" July	258.47	69.38	327.85
" August	284.19	73.20	357.39
" September	305.52	79.41	384.93
" October	289.63	68.81	358.44
" November	294.25	55.61	349.86
" December	322.07	54.86	376.93
Monthly attendance for the year	291.57	61.48	353.05

TABLE NO. 5.

HOW DISCHARGED DURING THE YEAR.

	Males.	Females.	Total.
Labor	2,033	330	2,363
" and cash	493	132	625
" " fine remitted	2	0	2
" " pardon	6	1	7
" " escape	3	0	3
" " pardon and cash	6	0	6
Expiration	31	0	31
" fine and costs paid	48	22	70
" and costs paid	40	11	51
" fine remitted and costs paid	2	0	2
Escape	2	0	2
Fine and costs paid	71	26	97
Costs paid	19	3	22
Pardon	13	1	14
Pardon, sent to Infirmary	12	2	14
Return to Court	8	1	9
Habeas Corpus	4	0	4
Death	10	0	10
Order of Mayor of Youngstown	14	1	15
" " Akron	13	3	16
" " Crestline	6	0	6
" " Salem	7	0	7
" " Ravenna	2	0	2
" " Leetonia	2	0	2
" " Alliance	3	0	3
" " New Lisbon	2	0	2
" " Warren	1	0	1
" " Galion	1	0	1
" " Marion	1	0	1
" " Salineville	1	0	1
" " Norwalk	1	0	1
" " Collinwood	2	0	2
" " Steubenville	5	2	7
" " Mingo Junction	1	0	1
Total	2,865	535	3,400

TABLE No. 6.

INDIVIDUAL COMMITMENTS.

	Males.	Females.	Total.
First Commitment	1,596	147	1,743
Second "	496	48	544
Third "	220	37	257
Fourth "	94	31	125
Fifth "	78	26	104
Sixth "	52	23	75
Seventh "	41	18	59
Eighth "	33	15	48
Ninth "	36	16	52
Tenth "	26	18	44
Eleventh "	28	16	44
Twelfth "	27	15	42
Thirteenth "	21	11	32
Fourteenth "	24	4	28
Fifteenth "	14	7	21
Sixteenth "	10	5	15
Seventeenth "	7	12	19
Eighteenth "	8	9	17
Nineteenth "	7	10	17
Twentieth "	10	8	18
Twenty-first "	11	3	14
Twenty-second "	8	7	15
Twenty-third "	7	5	12
Twenty-fourth "	5	3	8
Twenty-fifth "	4	6	10
Twenty-sixth "	4	6	10
Twenty-seventh "	3	8	11
Twenty-eighth "	4	5	9

TABLE NO. 6—*Continued.*

	Males.	Females.	Total.
Twenty-ninth Commitment	4	3	7
Thirtieth "	3	2	5
Thirty-first "	6	1	7
Thirty-second "	3	1	4
Thirty-third "	6	1	7
Thirty-fourth "	5	1	6
Thirty-fifth "	4	2	6
Thirty-sixth "	3	2	5
Thirty-seventh "	3	2	5
Thirty-eighth "	3	1	4
Thirty-ninth "	2	1	3
Fortieth "	1	1	2
Forty-first "	0	1	1
Forty-second "	1	0	1
Forty-third "	1	0	1
Forty-fourth "	1	0	1
Forty-fifth "	1	0	1
Total	2,921	538	3,459

TABLE NO. 7.

COMMITTED FROM THE FOLLOWING COURTS.

	Males.	Females.	Total.
Common Pleas Court	23	0	23
" Crawford County	1	0	1
" Medina "	9	0	9
" Lorain "	4	0	4
" Marion "	8	2	10
" Mahoning "	3	0	3
" Columbiana "	2	0	2
" Wayne "	5	0	5
" Lake "	1	0	1
" Portage "	3	0	3
" Trumbull "	3	0	3
" Jefferson "	3	0	3
" Holmes "	2	0	2
" Tuscarawas "	2	0	2
" Carroll "	1	0	1
" Summit "	2	0	2
Probate Court Summit County	2	0	2
" Crawford "	1	0	1
" Lake "	1	0	1
" Lorain "	5	0	5
" Morrow "	2	0	2
" Trumbull "	1	0	1
" Columbiana "	2	0	2
" Marion "	1	0	1
Mayor of Youngstown	46	8	54
" Steubenville	22	11	33
" Akron	53	8	61
" Marion	7	1	8
" Elyria	2	0	2
" New Lisbon	6	1	7
" Warren	2	2	4
" Ravenna	5	5	10

TABLE NO. 7—*Continued.*

	Males.	Females.	Total.
Mayor of Mingo Junction	1	0	1
" Orrville	4	0	4
" North Amherst	1	0	1
" Salineville	3	0	3
" Uhrichsville	2	1	3
" Garrettsville	2	0	2
" Caledonia	1	0	1
" Cadiz	2	0	2
" Kent	2	0	2
" East Liverpool	1	0	1
" Mt. Gilead	2	0	2
" Grafton	1	0	1
" Norwalk	1	0	1
" Oberlin	1	0	1
" Galion	11	1	12
" Alliance	2	0	2
" Collinwood	1	0	1
" Lorain	5	0	5
" Niles	1	0	1
" Crestline	7	0	7
" Leetonia	12	1	13
" Wellsville	7	1	8
" Salem	6	0	6
Justice Peace Court	3	0	3
" Columbiana County	20	1	21
" Lake "	6	0	6
" Jefferson "	9	1	10
" Medina "	1	0	1
" Trumbull "	2	0	2
" Mahoning "	2	1	3
" Lorain "	8	0	8
" Crawford "	2	0	2

TABLE NO. 7—*Continued.*

	Males.	Females.	Total.
Justice Peace Summit County	3	0	3
" Portage "	1	0	1
" Marion "	1	0	1
" Carroll "	1	0	1
Police Judge of Kent	1	0	1
United States District Court	10	0	10
Police Court	2,545	493	3,038
Total	2,921	538	3,459

TABLE NO. 8.

COLOR.

	Males.	Females.	Total.
White	2,792	500	3,292
Colored	129	38	167
Total	2,921	538	3,459

TABLE NO. 9.

AGE WHEN ADMITTED.

	Males.	Females.	Total.
Under twenty	193	41	234
Twenty and under thirty	1,223	184	1,407
Thirty and under forty	788	157	945
Forty and under fifty	481	85	566
Fifty and under sixty	182	69	251
Sixty and under seventy	45	2	47
Seventy and under eighty	9	0	9
Total	2,921	538	3,459

TABLE NO. 10.

NATIVITY.

	Males.	Females.	Total.
United States	1,892	261	2,153
Ireland	314	159	473
England	181	27	208
Germany	137	17	154
Canada	104	33	137
Scotland	85	26	111
Bohemia	39	3	42
Hungary	20	0	20
Switzerland	17	3	20
Wales	16	1	17
Sweden	14	0	14
France	13	4	17
Italy	12	0	12
Finland	11	0	11
Norway	9	0	9
Austria	9	0	9
Poland	7	2	9
Holland	5	0	5
New Brunswick	5	0	5
Prussia	5	0	5
Russia	4	0	4
Australia	4	0	4
South America	3	0	3
New Foundland	3	0	3
Nova Scotia	2	1	3
Isle of Man	2	1	3
Denmark	1	0	1
China	1	0	1
India	1	0	1
South Wales	1	0	1
East India	1	0	1
Bavaria	1	0	1
Arabia	1	0	1
At Sea	1	0	1
Total	2,921	538	3,459

TABLE No. 11.

EDUCATION.

	Males.	Females.	Total.
Could read and write	2,609	357	2,966
Could read only	78	65	143
Could neither read nor write	234	116	350
Total	2,921	538	3,459

TABLE NO. 12.

RELIGIOUS BELIEF.

	Males.	Females.	Total.
Catholics	1,592	281	1,873
Protestants	1,301	257	1,558
Atheists	17	0	17
Jews	11	0	11
Total	2,921	538	3,459

TABLE No. 13.

HABITS OF LIFE.

	Males.	Females.	Total.
Confessed themselves intemperate	2,695	504	3,199
Claimed to be temperate	226	34	260
Total	2,921	538	3,459

TABLE NO. 14.

SOCIAL RELATIONS.

	Males.	Females.	Total.
Married	754	402	1,156
Single	2,167	136	2,303
Total	2,921	538	3,459

TABLE No. 15.

OCCUPATION.

MEN.

Attorney	1
Axe grinder	1
Axle makers	5
Agents	3
Barbers	42
Blacksmiths	39
Bakers	17
Bar tenders	8
Brick makers	2
Boiler makers	37
Book keepers	13
Brick layers	10
Bill poster	1
Butchers	34
Box makers	2
Brewers	2
Brass mounter	1
Brass finishers	7
Broker	1
Belt maker	1
Brakemen	21
Broom makers	3
Brass moulder	1
Book binders	4
Bolt makers	7
Brush makers	4
Buffer	1

TABLE NO. 15—*Continued.*

MEN.

Book agents	2
Carpenters	68
Chain makers	3
Cigar makers	34
Clerks	41
Coopers	19
Common traveler	1
Cooks	31
Cigar packer	1
Case maker	1
Core makers	6
Cheese maker	1
Chiropodist	1
Cutlers	3
Chain maker	1
Coal miners	13
Cabinet makers	6
Coachmen	12
Carriage makers	2
Candy makers	5
Conductors	3
Collar maker	1
Dyers	4
Driller	1
Engineers	22
Electrotyper	1
Expressman	1
Electrician	1
Firemen	78
Farmers	8
Florist	1
Furniture finishers	2
Gardeners	13
Gas fitters	4
Gas maker	1
Glass blowers	8
Glass cutter	1
Grooms	11

TABLE NO. 15—*Continued.*

MEN.

Gravel roofers	2
Heaters	3
Hostlers	4
Hack driver	1
Hotel keeper	1
Horse trainer	1
Horse shoers	14
Harness makers	6
Hatters	2
Hair dresser	1
Iron workers	3
Jewelers	4
Japanners	2
Laborers	1,364
Lawyer	1
Last maker	1
Lathers	2
Laundryman	1
Lithographers	2
Model maker	1
Millers	3
Machinists	47
Moulders	64
Marble cutter	1
Malster	1
Masons	7
Miners	4
Musicians	9
Nickle platers	3
News agent	1
Nut makers	3
Potters	4
Paper hangers	11
Pattern maker	1
Pop bottler	1
Peddlers	4
Polishers	11
Plasterers	9

TABLE NO. 15—*Continued.*

MEN.

Packer	1
Puddlers	36
Painters	131
Pipe maker	1
Printers	3
Porters	7
Plumbers	10
Planer	1
Physicians	2
Pressmen	2
Photographer	1
Quarrymen	6
Railroaders	4
Rivet heater	1
Roughers	8
Railroad clerk	1
Rope maker	1
Riveters	3
Sailors	116
Shoemakers	35
Spring makers	3
Stone cutters	25
Saloon keepers	2
Slate roofers	6
Steam fitters	14
Stone masons	17
Salesmen	3
Steward	1
Steel polishers	3
Stove plate polisher	1
Stenographers	2
Shipping clerks	2
Sawyers	7
Stove jointer	1
Scissors maker	1
Show men	2
Stone sawyer	1
Sheet roller	1

TABLE No. 15—*Continued.*

MEN.

School teachers	6
Switchmen	7
Ship carpenters	3
Sail makers	2
Twine spinner	1
Timers	2
Teamsters	14
Tailors	41
Telegraph operator	1
Type setter	1
Turners	3
Tinsmiths	24
Tin roofers	2
Upholsterers	3
Undertaker	1
Varnishers	5
Veterinary Surgeons	4
Waiters	26
White washers	17
Weaver	1
Wagon maker	1
Well diggers	2
Wire drawers	2
Wood workers	4
Wood finishers	2
Watch makers	7
Total number of men	2,971

WOMEN.

Cooks	24
Cloak makers	2
Dress makers	6
Housework	468
Laundress	11
Musicians	7
Milliners	3

TABLE NO. 15—*Continued.*

WOMEN.

Seamstress	12
Stocking knitter	1
Tailoresses	4
Total number of women	538

RECAPITULATION.

Total number of men	2,921
Total number of women	538
Total number of men and women	3,459

TABLE NO. 16.

NATURE OF OFFENSES.

	Males.	Females.	Total.
Assault	12	0	12
" and wound	1	0	1
" " battery	121	5	126
" " " and intoxication	19	0	19
" " threaten	7	0	7
Adultery	5	1	6
Attempt to provoke breach of peace	1	0	1
Altering silver certificate of United States	1	0	1
Breaking into house in day-time	4	0	4
Burglary	3	0	3
Burglarizing postoffice	1	0	1
Carrying concealed weapons	17	0	17
" and intoxication	1	0	1
Cruelty to animals	9	0	9
" children	2	1	3
" wife	1	0	1
Common beggar	34	4	38
" prostitute	0	11	11
Destroying property	8	0	8
Defrauding hotel keeper	6	0	6
Disorderly	4	3	7
" conduct	87	33	120
" " and intoxication	20	1	21
Disturbance	37	13	50
" and intoxication	14	0	14
Depositing in U. S. mail obscene writing	1	0	1
Execution	14	2	16

TABLE No. 16—*Continued.*

	Males.	Females.	Total.
Embezzlement	8	0	8
Escaped prisoner returned	1	0	1
Failing to obey subpœna	1	0	1
Forging affidavit	1	0	1
Fornication	3	0	3
Giving away obscene paper	1	0	1
House-breaking	12	0	12
Intoxication	1,657	389	2,046
" and petit larceny	28	2	30
" and disorderly conduct	2	0	2
" and vagrancy	4	0	4
Indecent exposure	4	0	4
Insulting a lady	1	0	1
Keeping a house of ill fame	6	14	20
" assignation house	1	0	1
" gambling house	1	0	1
" disorderly house	4	0	4
Larceny	19	0	19
Neglecting minor children	16	1	17
" family	3	0	3
Obtaining money by false pretense	7	0	7
" board and lodging by false pretense	5	0	5
Overdriving a horse	1	0	1
Obstructing an officer	5	0	5
Petit larceny	295	21	316
Pointing and aiming a pistol	1	0	1
Playing a game for money	2	0	2
Passing counterfeit money	2	0	2
Receiving stolen property	1	0	1
Residing in a house of ill fame	8	17	25
Resisting an officer	14	0	14
Suspicious person	9	0	9
" and intoxication	2	0	2
Stealing letters	2	0	2

TABLE NO. 16—*Continued.*

	Males.	Females.	Total.
Shooting with intent to wound	1	0	1
Selling liquor to a person in the habit of getting intoxicated	3	0	3
Selling liquor to minors	7	0	7
Selling intoxicating liquor unlawfully	3	0	3
Threaten to beat and wound	1	0	1
Unlawfully taking a horse	3	0	3
" using "	16	0	16
Using obscene language	4	0	4
Vagrancy	91	5	96
Visiting a house of ill fame	22	10	32
Violating property ordinance	83	1	84
" sidewalk "	9	4	13
" peddlers' "	2	0	2
" railroad law	107	0	107
" local option law	11	0	11
" firearm ordinance	1	0	1
Total	2,921	538	3,459

TABLE NO. 17.

SHOWING SENTENCE OF PRISONERS FOR THE YEAR 1889.

Number.		Days.	Fine and Costs.
14	Sentenced for.....	.....	$ 90
3	"	.....	2 00
9	"	.....	2 50
6	"	.....	2 75
5	"	.....	2 80
430	"	.....	2 90
12	"	.....	3 00
5	"	.....	3 10
3	"	.....	3 15
7	"	.....	3 35
4	"	.....	3 40
48	"	.....	3 50
9	"	.....	3 55
4	"	.....	3 58
2	"	.....	3 63
72	"	.....	3 75
2	"	.....	3 83
51	"	.....	3 90
2	"	.....	4 05
5	"	.....	4 30
7	"	.....	4 35
2	"	.....	4 44
1,185	"	.....	4 50
1	"	.....	4 55
3	"	.....	4 62
4	"	.....	4 75
1	"	.....	4 87
21	"	.....	4 90
2	"	.....	5 10
1	"	.....	5 12
3	"	.....	5 20
2	"	.....	5 38

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
11	Sentenced for		$ 5 40
5	"		5 45
87	"		5 50
21	"		5 62
2	"		5 68
7	"		5 75
4	"		5 80
2	"		6 00
3	"		6 10
1	"		6 40
23	"		6 50
2	"		6 80
1	"		6 95
2	"		7 05
3	"		7 15
1	"		7 34
12	"		7 50
2	"		7 60
46	"		7 75
4	"		7 90
2	"		8 05
3	"		8 15
4	"		8 25
97	"		8 50
34	"		8 75
12	"		8 90
1	"		9 00
12	"		9 75
122	"		9 80
3	"		9 83
1	"		9 90
1	"		10 05
10	"		10 25
2	"		10 44

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
12	Sentenced for.		$ 10 50
9	"		10 75
1	"		10 90
1	"		11 10
2	"		11 24
11	"		11 50
12	"		11 60
11	"		11 75
2	"		11 90
3	"		12 10
1	"		12 25
3	"		12 40
11	"		12 50
13	"		12 75
4	"		12 90
2	"		13 05
3	"		13 40
36	"		13 50
2	"		13 80
57	"		14 15
3	"		14 40
21	"		14 50
9	"		14 75
1	"		14 77
1	"		14 93
1	"		15 02
2	"		15 10
3	"		15 23
8	"		15 40
4	"		15 45
12	"		15 50
2	"		15 70
11	"		15 75
13	"		15 90

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
1	Sentenced for		$ 16 05
1	"		16 21
2	"		16 25
1	"		16 32
14	"		16 50
5	"		16 75
10	"		16 90
1	"		16 92
2	"		16 95
1	"		17 05
4	"		17 25
2	"		17 41
1	"		17 57
5	"		17 60
3	"		17 70
1	"		17 95
2	"		17 97
7	"		18 04
4	"		18 05
2	"		18 18
3	"		18 25
1	"		18 36
2	"		18 55
11	"		18 75
1	"		18 77
2	"		18 90
5	"		18 92
2	"		19 04
3	"		19 21
7	"		19 24
2	"		19 25
4	"		19 35
5	"		19 50
1	"		19 64

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
2	Sentenced for		$ 19 72
2	"		19 75
1	"		19 80
1	"		19 90
2	"		19 92
1	"		20 05
3	"		20 11
1	"		20 15
4	"		20 20
2	"		20 42
3	"		20 81
2	"		20 90
1	"		21 02
2	"		21 50
1	"		21 60
3	"		21 75
4	"		21 81
2	"		21 90
7	"		21 99
8	"		22 66
2	"		22 97
1	"		23 01
1	"		23 21
2	"		23 45
2	"		23 60
2	"		23 72
1	"		23 95
2	"		24 02
2	"		24 05
2	"		24 08
3	"		24 25
2	"		24 41
1	"		24 86
1	"		25 01

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
1	Sentenced for		$ 25 50
2	"		25 87
3	"		25 92
1	"		26 02
1	"		26 62
8	"		26 90
1	"		27 06
1	"		27 24
2	"		27 48
1	"		27 87
3	"		28 23
1	"		28 58
2	"		29 34
2	"		29 66
2	"		29 79
1	"		30 40
3	"		30 76
1	"		30 94
1	"		31 46
1	"		31 72
2	"		32 41
1	"		32 72
1	"		32 95
1	"		33 1[illegible]
2	"		33 58
1	"		33 94
1	"		34 20
3	"		34 45
2	"		34 90
1	"		35 27
4	"		36 29
1	"		36 44
1	"		37 05
1	"		38 15

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
2	Sentenced for		$ 38 23
1	"		38 76
1	"		39 05
1	"		39 07
1	"		41 18
2	"		41 90
1	"		42 02
1	"		44 29
1	"		46 20
2	"		47 56
3	"		50 85
1	"		53 41
1	"		54 55
1	"		54 86
2	"		54 90
1	"		56 00
1	"		56 21
1	"		57 54
1	"		58 06
1	"		59 17
2	"		60 56
1	"		62 15
1	"		62 75
1	"		63 25
1	"		63 42
3	"		64 70
1	"		65 23
1	"		65 72
1	"		72 25
1	"		73 47
1	"		75 77
1	"		81 00
1	"		81 30
2	"		86 29

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
2	Sentenced for		$ 93 31
3	"		99 47
1	"		112 46
1	"		117 91
1	"		118 40
1	"		128 45
1	"		132 65
1	"		143 05
1	"		164 76
1	"		206 90
3	"		553 19
1	"	1	66 26
1	"	5	
1	"	5	90
22	"	10	90
1	"	10	
1	"	10	9 96
1	"	9	
1	"	10	31 00
1	"	10	77 60
3	"	15	90
1	"	15	15 91
1	"	15	91 26
1	"	15	98 38
1	"	20	10 15
1	"	20	23 90
1	"	20	24 85
1	"	20	29 10
3	"	20	29 90
1	"	20	41 92
1	"	20	47 87
1	"	20	49 04
1	"	20	59 09
1	"	20	82 33

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
12	Sentenced for	30	$ 90
2	"	30	1 90
1	"	30	2 10
3	"	30	2 50
1	"	30	3 05
1	"	30	3·27
8	"	30	3 50
2	"	30	3 47
1	"	30	3 72
1	"	30	3 89
1	"	30	4 50
2	"	30	4 92
1	"	30	4 97
1	"	30	5 15
1	"	30	5 40
2	"	30	5 50
1	"	30	5 81
9	"	30	5 90
2	"	30	6 05
1	"	30	6 40
3	"	30	6 50
4	"	30	6 60
1	"	30	6 72
3	"	30	6 90
2	"	30	7 07
3	"	30	7 45
12	"	30	7 75
1	"	30	8 22
31	"	30	8 50
1	"	30	8 90
1	"	30	9 23
1	"	30	9 46
1	"	30	10 21
1	"	30	10 45

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
1	Sentenced for	30	$ 10 57
21	"	30	10 90
1	"	30	11 21
1	"	30	12 98
1	"	30	13 05
1	"	30	14 14
1	"	30	14 16
2	"	30	14 39
3	"	30	15 28
1	"	30	16 05
1	"	30	16 16
2	"	30	16 92
1	"	30	17 41
1	"	30	17 89
1	"	30	19 22
1	"	30	30 08
1	"	30	33 40
3	"	30	35 16
4	"	30	36 86
1	"	30	37 01
1	"	30	39 25
1	"	30	40 42
2	"	30	43 76
1	"	30	43 95
1	"	30	46 22
2	"	30	47 86
1	"	30	49 47
1	"	30	49 49
2	"	30	51 22
1	"	30	51 37
1	"	30	54 89
1	"	30	59 39
1	"	30	62 76
1	"	30	64 80

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
1	Sentenced for	30	$ 65 82
2	"	30	66 90
1	"	30	67 80
1	"	30	69 21
1	"	30	72 34
2	"	30	75 47
1	"	30	76 84
4	"	30	80 30
3	"	30	81 90
1	"	30	82 47
1	"	30	84 62
1	"	30	89 76
1	"	30	93 50
2	"	30	97 21
1	"	30	102 40
1	"	30	106 90
1	"	30	107 80
1	"	30	112 32
1	"	30	116 47
4	"	30	121 12
2	"	30	132 96
1	"	30	142 27
1	"	30	150 40
1	"	30	162 47
1	"	30	169 50
1	"	30	180 41
1	"	30	182 32
1	"	30	210 21
1	"	30	213 36
1	"	40	89 72
1	"	50	57 20
3	"	60	1 80
1	"	60	5 15
1	"	60	6 00

TABLE NO. 17—*Continued.*

Number.		Days.	Fine and Costs.
1	Sentenced for	60	$ 19 53
1	"	60	20 53
1	"	60	23 05
1	"	60	25 62
1	"	60	21 36
1	"	60	17 00
2	"	60	32 05
1	"	60	54 95
1	"	60	68 50
1	"	60	56 55
1	"	60	112 87
1	"	60	122 55
2	"	60	125 20
1	"	60	132 70
1	"	90	.....
1	"	90	8 10
1	"	90	15 90
1	"	90	27 50
1	"	90	29 62
1	"	90	42 05
1	"	90	66 90
1	"	90	76 30
3	"	90	80 00
2	"	80	81 95
1	"	90	82 00
1	"	90	81 28
1	"	90	118 40
1	"	90	140 30
1	"	90	145 22
1	"	120	28 84
1	"	120	31 30
1	"	120	303 77

TABLE NO. 17—*Continued.*

Number.		Months.	Fine and Costs.
1	Sentenced for	1	$ 48 09
2	"	2	5 45
2	"	2	9 35
1	"	2	10 01
1	"	2	11 60
1	"	2	16 86
1	"	2	15 83
2	"	3	4 56
1	"	3	5 45
1	"	3	5 46
1	"	3	9 60
1	"	3	10 71
1	"	3	10 61
1	"	3	10 20
1	"	3	13 35
1	"	3	14 21
1	"	3	15 41
1	"	3	16 30
1	"	3	18 91
1	"	3	38 40
1	"	3	44 40
1	"	3	50 25
1	"	3	78 68
1	"	3	88 42
1	"	4	.....
1	"	5	42 50
1	"	6	2 25
1	"	6	4 78
1	"	6	7 40
1	"	6	8 01
1	"	6	8 60
1	"	6	9 15
1	"	6	11 21
1	"	6	12 81

TABLE NO. 17—*Continued.*

Number.		Months.	Fine and Costs.
1	Sentenced for.....	6	$ 16 10
1	"	6	56 24
1	"	6	73 34
1	"	6	74 75
1	"	6	90 17
1	"	6	107 87
1	"	6	120 95
1	"	6	206 20
1	"	6	204 68
1	"	6	270 40
1	"	6	209 25
1	"	6	210 60
1	"	6	211 61
1	"	6	211 66
1	"	6	214 80
1	"	6	213 41
1	"	6	219 80
1	"	6	220 35
1	"	6	229 97
1	"	6	241 55
1	"	6	246 15
1	"	6	466 87
1	"	12	10 90
1	"	12	216 20

Statistical Tables—House of Refuge.

TABLE NO. 1.

POPULATION.

	Boys.	Girls.	Total.
Remaining January 1, 1889	105	0	105
Whole number committed during 1889	48	1	49
Total	153	1	154
Discharged during 1889	80	1	81
Total remaining December 31, 1889	73	0	73

TABLE NO. 2.

NUMBER RECEIVED EACH MONTH.

Months.	Boys.	Girls.	Total.
Remaining January 1, 1889	105	0	105
Received during January	3	0	3
" February	2	0	2
" March	6	0	6
" April	5	0	5
" May	3	0	3
" June	3	1	4
" July	4	0	4
" August	3	0	3
" September	5	0	5
" October	8	0	8
" November	5	0	5
" December	1	0	1
Total	153	1	154
Discharged during 1889	80	1	81
Total remaining December 31, 1889	73	0	73

TABLE No. 3.

DISCHARGED DURING EACH MONTH.

Months.	Boys.	Girls.	Total.
Discharged during January	9	0	9
" February	2	0	2
" March	2	0	2
" April	4	0	4
" May	11	0	11
" June	2	0	2
" July	4	0	4
" August	13	0	13
" September	16	0	16
" October	7	1	8
" November	5	0	5
" December	5	0	5
Total	80	1	81

TABLE NO. 4.

MONTHLY AVERAGE OF CONFINEMENT DURING THE YEAR 1889.

Months.	Boys.	Girls.	Total.
Average during January	102.31	.00	102.31
" February	99.27	.00	99.27
" March	101.06	.00	101.06
" April	103.51	.00	103.51
" May	98.41	.00	98.41
" June	97.61	.97	98.58
" July	97.31	1.00	98.31
" August	92 04	1.00	93.04
" September	81.90	1.00	82.90
" October	77.22	.27	77.49
" November	77.28	.00	77.28
" December	74.90	.00	74.90
Monthly average during year	91.90	.35	92.25

TABLE NO. 5.

COMMITTED FROM THE FOLLOWING COURTS.

	Boys.	Girls.	Total.
Police Court	47	0	47
Probate Court	1	1	2
Total	48	1	49

TABLE NO. 6.

HOW DISCHARGED DURING THE YEAR.

	Boys.	Girls.	Total.
Received their honor	26	0	26
Pardoned	31	1	32
Paroled	19	0	19
Escaped	2	0	2
Death	2	0	2
Total	80	1	81

TABLE NO. 7.

CRIMES AND OFFENSES.

	Boys.	Girls.	Total.
Incorrigible conduct	21	1	22
Petit larceny	13	0	13
Housebreaking	4	0	4
Vagrancy	3	0	3
Disorderly conduct	2	0	2
Intoxication	1	0	1
Violating railroad law	1	0	1
Disturbance	1	0	1
Assault and battery	1	0	1
Violating property ordinance	1	0	1
Total	48	1	49

TABLE NO. 8.

COLOR.

	Boys.	Girls.	Total.
White	45	1	46
Colored	3	0	3
Total	48	1	49

TABLE NO. 9.

PLACE OF NATIVITY.

	Boys.	Girls.	Total.
United States	41	0	41
England	3	1	4
Germany	1	0	1
Ireland	1	0	1
Hungary	1	0	1
France	1	0	1
Total	48	1	49

TABLE NO. 10.

RELIGIOUS TRAINING.

	Boys.	Girls.	Total.
Catholics	23	0	23
Protestants	23	1	24
Jews	2	0	2
Total	48	1	49

TABLE NO. 11.

EDUCATION.

	Boys.	Girls.	Total.
Could read and write	39	1	40
Could read only	2	0	2
Could neither read nor write	7	0	7
Total	48	1	49

TABLE NO. 12.

SOCIAL RELATION.

	Boys.	Girls.	Total.
Having both parents	28	0	28
Having one parent only	13	1	14
Orphans	7	0	7
Total	48	1	49

TABLE No. 13.

AGE WHEN ADMITTED.

	Boys.	Girls.	Total.
Under ten	1	0	1
Ten and under twelve	13	0	13
Twelve and under fifteen	25	0	25
Fifteen and under eighteen	9	1	10
Total	48	1	49